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Oil & Gas Journal Energy Database

International Energy Statistics Sourcebook

Introduction

The energy industry, and specifically the oil and gas segment of the energy industry, is an international industry with exploration, production, processing, transportation distribution and consumption spread through a vast majority of the countries in the world. For a variety of reasons a large number of companies are finding it profitable to invest and develop energy industry activities in countries other than their country of origin. As the world population grows and economic activity increases, the demand for energy moves upward. In a search for new and profitable sources of energy, investment money spreads out over the globe.

Making well informed, intelligent, and profitable decisions in today's energy industry requires careful evaluation of the developments over the past several years. Doing this analysis requires access to a substantial volume of statistical data covering all segments of energy industry activity. Finding this information for many of the countries of the world can be a daunting, time consuming activity. This International Energy Statistics Sourcebook has been developed to provide the essential key energy statistics needed for analysis of the international energy industry or individual countries, in one convenient publication. It has been designed to provide the data in sufficient detail and for a sufficient period of time to enable all types of statistical analysis.

This complete and concise reference book contains both annual and monthly data for key parameters that describe energy industry activity throughout the world. For many of the time series at least ten years of data has been provided. And for each time series the data extends through the last complete year of available statistical information. The monthly statistics provide analysts with the information required to study seasonal and cyclical patterns. The monthly data also enables analysts to test the relationship or correlation of various related statistical series. And the monthly statistics provide the data necessary to experiment with lead/lag relationships.

The essential statistical series needed for analysis have been selected and presented by the staff of the Oil & Gas Journal Energy Database in consultation with the Economics Editor of the Oil & Gas Journal. The selection of data is based upon their many years of experience in using, publishing and collecting statistical information for the oil, gas and energy industries. Collection of the data was aided by use of the Oil & Gas Journal Energy Database on-line system. The Oil & Gas Journal Energy Database is the largest, most comprehensive, on-line database for the oil, gas and energy industries.

The statistics are grouped into three major sections. The first section contains a series of summary statistical tables, describing a specific industry segment, for all of the countries of the world. This sector enables easy comparison between countries, regarding the level of country activity for a given industry segment. The second section of the book contains statistical information gathered for each individual country. A separate section with energy statistical tables is provided for each country that is known to have crude oil reserves. This section enables easy analysis of an individual country's involvement in the energy industry. In addition to being included in the individual country section, OPEC member countries are also grouped in a separate section of OPEC summary tables.

As an added feature, graphic presentations of some of the key series are provided. These graphs give a vivid visual representation of the changes that have occurred in the industry over the past several years. These charts illustrate an additional way the statistics in the International Energy Statistics Sourcebook can be utilized.

This book will prove to be an extremely useful tool for understanding the worldwide energy industry. Keep this book within easy reach and you will soon find it a valuable aid to your analysis of the international energy industry.

Worldwide Summary

General Economic Information *

	Country Size (Square Miles)	Population (Thousands)	Gross National Product (Mill US Dollars)	GNP per Capita (US Dollars)	Consumer Price Index (1987=100)
North America					
Canada	3,849,674	26,302	532,788	19,020	109.2
Mexico	761,605	85,440	186,704	1,990	257.0
United States	3,679,245	248,000	5,176,400	21,000	109.0
Central & South America					
Argentina	1,073,400	31,883	54,076	2,160	14,085.1
Barbados	166	255	1,670	6,370	111.3
Bolivia	424,165	7,110	4,267	620	133.4
Brazil	3,286,488	147,000	462,257	2,540	10,850.3
Chile	292,135	12,980	23,297	1,770	134.2
Colombia	440,831	32,335	36,853	1,190	161.2
Cuba	42,804	10,440	NA	NA	NA
Ecuador	109,484	10,329	9,668	1,020	277.9
Guatemala	42,042	8,946	7,971	910	123.5
Peru	496,225	21,142	27,084	1,010	26,835.3
Suriname	63,251	436	1,323	3,020	NA
Trinidad & Tobago	1,980	1,261	3,735	3,230	120.1
Venezuela	352,145	19,244	41,462	2,450	238.5
Western Europe					
Austria	32,377	7,598	125,246	17,360	104.5
Denmark	16,638	5,132	100,438	20,510	109.6
France	211,208	56,119	954,154	17,830	106.3
Germany	137,855	+ 61,337	+ 1,207,128	+ 20,750	+ 104.1
Greece	50,944	10,039	52,927	5,340	129.1
Italy	116,320	57,537	859,988	15,150	111.6
Netherlands	16,133	14,828	222,552	16,010	101.8
Norway	149,412	4,125	88,572	21,850	111.6
Spain	194,885	39,161	370,713	9,150	111.9
Turkey	300,948	54,899	77,282	1,370	297.5
United Kingdom	93,629	57,270	836,016	14,570	113.1
Eastern Europe & USSR					
Albania	11,100	3,181	NA	NA	NA
Bulgaria	42,823	9,001	NA	2,320	NA
Czechoslovakia	49,384	15,605	NA	NA	NA
Hungary	35,920	10,587	27,654	2,580	136.0
Poland	120,728	38,061	NA	1,780	562.5
Romania	91,699	23,085	NA	NA	NA
USSR	8,600,387	287,550	NA	NA	NA
Yugoslavia	98,766	23,707	75,110	2,920	3,940.5

General Economic Information *

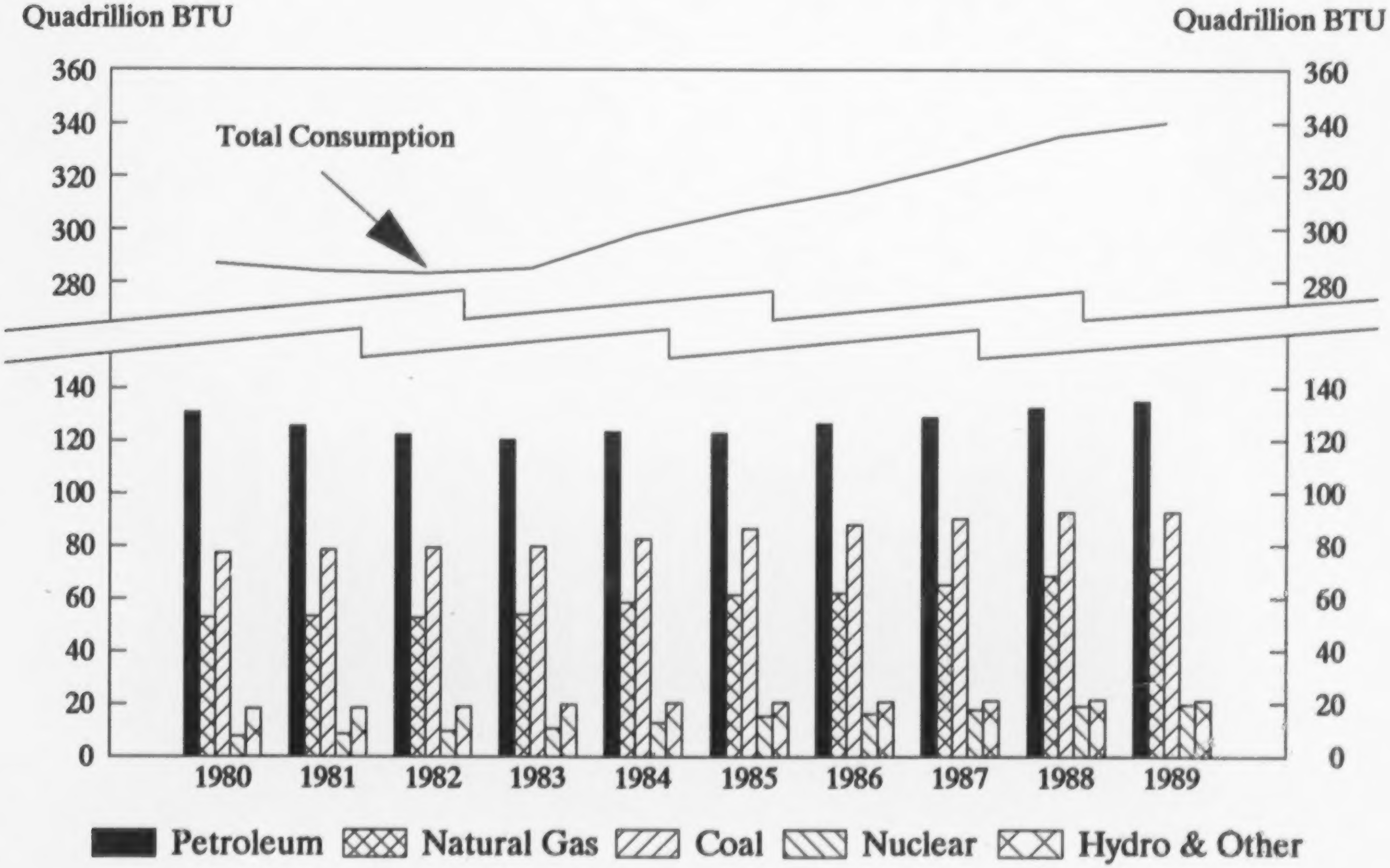
	Country Size (Square Miles)	Population (Thousands)	Gross National Product (Mill US Dollars)	GNP per Capita (US Dollars)	Consumer Price Index (1987=100)
Middle East					
Bahrain	256	489	@ 2,881	@ 6,360	101.8
Iran	636,296	50,204	154,585	3,190	157.4
Iraq	169,235	17,757	66,000	3,717	NA
Israel	8,019	4,525	44,803	9,750	139.8
Jordan	35,135	4,041	4,097	1,730	134.0
Kuwait	6,880	2,020	32,295	16,380	104.9
Oman	82,030	1,486	7,725	5,220	NA
Quatar	4,416	330	5,889	17,846	NA
Saudi Arabia	864,869	14,435	85,957	6,020	102.2
Syria	71,498	12,082	@ 9,965	@ 1,100	149.9
United Arab Emirates	32,278	1,550	27,387	17,669	NA
Yemen	75,290	10,110	NA	NA	NA
Africa					
Algeria	919,595	24,453	45,919	2,220	@ 105.9
Angola	481,354	NA	8,385	NA	NA
Benin	43,484	4,593	1,637	380	NA
Cameroon	183,569	11,554	10,727	1,000	108.6
Congo	132,047	2,208	2,008	940	108.0
Egypt	386,662	51,390	30,634	630	142.7
Gabon	103,347	1,105	3,119	2,960	96.5
Ghana	92,098	14,425	5,134	390	164.5
Ivory Coast	123,847	11,400	NA	NA	NA
Libya	679,362	4,395	@ 23,514	@ 5,410	NA
Morocco	172,414	24,567	21,181	880	105.6
Nigeria	356,669	113,665	27,533	250	194.8
Sudan	967,500	24,423	15,645	@ 380	@ 164.7
Tunisia	63,170	7,988	9,586	1,260	114.2
Zaire	905,568	34,442	9,152	260	372.9
Asia-Pacific					
Australia	2,966,155	16,765	271,794	14,440	115.3
Bangladesh	55,598	112,000	20,104	180	120.3
Brunei	2,226	247	NA	NA	NA
China	3,718,782	1,105,000	415,729	360	140.4
China, Taiwan	13,900	20,125	NA	NA	NA
India	1,237,062	833,000	260,450	340	116.1
Indonesia	741,101	178,000	89,371	500	115.0
Japan	145,870	123,000	2,836,634	23,810	103.0
Malaysia	127,502	17,340	35,958	2,160	104.8
Myanmar	261,228	41,860	NA	NA	NA
New Zealand	103,519	3,343	39,138	11,800	112.5
Pakistan	339,732	109,950	39,460	360	117.4
Papua, New Guinea	178,704	3,812	3,370	890	110.2
Philippines	115,831	61,224	44,222	700	120.3
Thailand	198,115	55,200	68,770	1,230	109.4
Vietnam	127,242	66,030	NA	NA	NA

* Current data for 1989.
+ Does not include East Germany.
@ 1989 data was not available, so 1988 was used.

Data from Oil & Gas Journal Energy Database.
Source: Rand McNally, United Nations, World Bank, OPEC Secretariat

Notes

Worldwide Energy Consumption by Type



Source: EIA

Primary Energy Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	9.40	9.13	8.70	8.67	9.17	9.57	9.71	9.75	10.51	10.82
Mexico	3.80	4.14	4.34	4.14	4.46	4.35	4.39	4.38	4.57	4.83
United States	75.88	73.88	70.76	70.41	73.94	73.75	74.02	76.59	79.98	81.14
North America	**89.08**	**87.16**	**83.81**	**83.23**	**87.58**	**87.67**	**88.13**	**90.73**	**95.07**	**96.80**
Argentina	1.58	1.54	1.62	1.67	1.80	1.68	1.86	1.91	1.95	2.01
Brazil	4.01	3.89	3.97	3.96	4.33	4.61	4.93	5.09	5.35	5.40
Venezuela	1.56	1.69	1.70	1.65	1.68	1.70	1.85	1.85	1.90	1.91
Other	4.20	4.15	3.99	3.84	4.10	4.11	4.11	4.22	4.31	4.31
Central & South America	**11.35**	**11.27**	**11.27**	**11.11**	**11.91**	**12.10**	**12.75**	**13.06**	**13.51**	**13.62**
France	8.55	8.21	7.70	7.82	8.02	8.22	8.32	8.39	8.36	8.55
Germany, West	12.02	11.80	11.59	11.48	11.69	12.35	12.46	12.37	12.45	12.11
Italy	6.31	6.15	5.98	5.91	5.99	6.24	6.33	6.61	6.57	6.85
Netherlands	2.99	3.21	3.08	2.84	2.94	2.84	3.06	3.20	3.20	3.27
Norway	1.35	1.39	1.35	1.46	1.49	1.52	1.45	1.54	1.56	1.66
Spain	3.27	3.29	3.52	3.51	3.50	3.48	3.56	3.55	4.00	4.02
Sweden	2.07	2.06	1.90	1.94	2.01	2.14	2.16	2.23	2.22	2.14
United Kingdom	9.34	8.44	8.51	8.40	8.00	8.74	9.07	8.88	9.26	9.64
Yugoslavia	1.70	1.75	1.76	1.78	2.02	2.07	2.07	2.12	2.13	2.09
Other	8.87	8.54	8.40	8.47	8.72	9.28	9.58	9.94	9.97	9.91
Western Europe	**56.48**	**54.85**	**53.78**	**53.61**	**54.39**	**56.88**	**58.08**	**58.84**	**59.73**	**60.25**
Czechoslovakia	3.03	3.01	3.01	3.05	3.05	3.10	3.20	3.24	3.21	3.16
Germany, East	3.71	3.70	3.70	3.65	3.81	4.08	4.03	3.83	3.95	4.00
Poland	6.05	5.54	5.88	5.13	5.02	5.35	5.72	6.15	6.27	6.01
Romania	3.00	3.01	3.13	2.97	3.16	3.11	3.21	3.23	3.27	3.35
USSR	46.52	47.06	49.17	50.13	52.60	54.91	56.46	57.88	59.89	59.92
Other	3.03	2.99	2.97	3.07	3.08	3.19	3.13	3.08	3.11	3.05
Eastern Europe & USSR	**65.35**	**65.32**	**67.88**	**68.00**	**70.72**	**73.74**	**75.74**	**77.40**	**79.70**	**79.49**
Iran	1.58	1.49	1.70	2.09	2.22	2.38	2.42	2.53	2.69	2.84
Iraq	0.52	0.48	0.46	0.55	0.54	0.57	0.62	0.64	0.77	0.81
Kuwait	0.48	0.35	0.35	0.39	0.41	0.40	0.45	0.54	0.61	0.63
Oman	0.05	0.11	0.14	0.16	0.10	0.12	0.13	0.14	0.14	0.15
Qatar	0.21	0.20	0.24	0.21	0.25	0.25	0.26	0.27	0.28	0.30
Saudi Arabia	1.85	1.92	1.73	1.89	2.08	2.62	2.81	2.86	2.98	3.11
United Arab Emirates	0.27	0.35	0.33	0.42	0.50	0.65	0.71	0.88	0.93	0.96
Other	1.08	1.15	1.19	1.24	1.29	1.36	1.38	1.51	1.53	1.59
Middle East	**6.05**	**6.05**	**6.14**	**6.95**	**7.39**	**8.35**	**8.79**	**9.37**	**9.94**	**10.39**

Primary Energy Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	0.76	0.64	0.89	1.00	1.07	0.99	0.99	1.06	1.07	1.12
Egypt	0.72	0.83	0.92	1.04	1.14	1.21	1.24	1.27	1.28	1.36
Libya	0.27	0.36	0.35	0.38	0.38	0.42	0.44	0.45	0.46	0.48
Nigeria	0.42	0.49	0.52	0.52	0.56	0.59	0.57	0.61	0.65	0.69
South Africa	2.78	3.06	3.35	3.46	3.71	3.79	3.87	3.93	4.07	4.15
Other	1.74	1.66	1.63	1.69	1.60	1.69	1.76	1.75	1.86	1.91
Africa	**6.68**	**7.04**	**7.67**	**8.09**	**8.47**	**8.69**	**8.87**	**9.07**	**9.39**	**9.72**
Australia	2.58	2.61	3.17	2.99	2.78	2.91	3.13	3.31	3.45	3.51
China	19.60	19.44	18.97	20.29	21.94	22.46	23.16	24.69	25.53	25.93
India	4.17	4.73	4.81	5.11	5.43	6.14	6.70	6.57	6.93	7.19
Indonesia	1.10	1.24	1.28	1.38	1.44	1.60	1.58	1.76	1.73	1.80
Japan	15.63	15.43	14.64	14.50	15.56	15.75	15.90	16.42	17.04	17.54
Korea, North	1.60	1.60	1.69	1.65	1.66	1.72	1.73	1.82	1.87	1.91
Malaysia	0.42	0.44	0.46	0.51	0.61	0.70	0.75	0.75	0.79	0.82
Other	6.83	7.01	7.10	7.36	7.98	8.27	8.88	9.82	10.65	11.51
Asia-Pacific	**51.93**	**52.51**	**52.12**	**53.80**	**57.40**	**59.57**	**61.83**	**65.14**	**67.98**	**70.20**
Total World	**286.91**	**284.20**	**282.66**	**284.80**	**297.85**	**307.00**	**314.20**	**323.61**	**335.32**	**340.47**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Petroleum Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	3.87	3.64	3.24	2.97	3.00	3.04	3.03	3.11	3.40	3.54
Mexico	2.59	2.83	2.96	2.70	3.07	2.98	3.12	3.20	3.27	3.49
United States	34.20	31.93	30.23	30.05	31.05	30.92	32.20	32.87	34.23	34.21
Other	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
North America	**40.67**	**38.41**	**36.44**	**35.73**	**37.14**	**36.95**	**38.35**	**39.18**	**40.92**	**41.26**
Argentina	1.03	0.99	0.96	0.97	0.96	0.85	0.94	0.99	0.97	1.02
Bahama Islands	0.06	0.06	0.05	0.04	0.04	0.03	0.03	0.04	0.03	0.04
Bolivia	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.05
Brazil	2.40	2.24	2.18	2.00	2.12	2.21	2.52	2.57	2.65	2.68
Chile	0.22	0.21	0.20	0.19	0.19	0.19	0.19	0.21	0.22	0.23
Colombia	0.32	0.33	0.34	0.34	0.35	0.34	0.34	0.37	0.40	0.41
Cuba	0.44	0.45	0.49	0.44	0.46	0.47	0.48	0.47	0.48	0.48
Dominican Republic	0.08	0.08	0.08	0.10	0.09	0.09	0.10	0.11	0.12	0.12
Ecuador	0.17	0.18	0.20	0.18	0.17	0.18	0.19	0.18	0.19	0.19
Guatemala	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Jamaica	0.12	0.10	0.08	0.09	0.07	0.07	0.07	0.07	0.07	0.09
Netherlands Antilles	0.24	0.22	0.21	0.20	0.19	0.16	0.15	0.15	0.14	0.14
Panama Republic	0.08	0.08	0.07	0.07	0.07	0.05	0.05	0.06	0.06	0.05
Peru	0.28	0.29	0.28	0.26	0.27	0.26	0.28	0.29	0.30	0.27
Puerto Rico	0.43	0.45	0.33	0.32	0.36	0.31	0.33	0.34	0.31	0.27
Trinidad & Tobago	0.09	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04
Uruguay	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.06	0.07	0.07
Venezuela	0.81	0.88	0.86	0.80	0.78	0.77	0.81	0.81	0.80	0.78
Virgin Is., US	0.25	0.22	0.16	0.11	0.13	0.15	0.10	0.12	0.08	0.11
Other	0.25	0.24	0.24	0.23	0.23	0.24	0.25	0.26	0.29	0.29
Central & South America	**7.47**	**7.29**	**6.98**	**6.57**	**6.68**	**6.56**	**7.02**	**7.23**	**7.31**	**7.39**
Austria	0.49	0.48	0.44	0.43	0.42	0.42	0.44	0.46	0.44	0.45
Belgium	1.12	1.02	0.95	0.86	0.83	0.85	0.96	0.95	0.99	0.97
Denmark	0.62	0.52	0.49	0.46	0.46	0.47	0.46	0.45	0.43	0.41
Finland	0.58	0.52	0.47	0.44	0.44	0.44	0.44	0.48	0.48	0.47
France	4.72	4.19	3.91	3.79	3.61	3.64	3.63	3.67	3.69	3.81
Germany, West	5.67	5.11	4.94	4.83	4.83	4.84	5.18	5.00	5.01	4.68
Greece	0.56	0.54	0.51	0.49	0.50	0.52	0.53	0.57	0.60	0.62
Ireland	0.25	0.22	0.19	0.17	0.16	0.17	0.20	0.17	0.16	0.16
Italy	4.12	3.99	3.80	3.72	3.50	3.62	3.67	3.93	3.89	4.09
Luxembourg	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.06	0.06
Netherlands	1.67	1.51	1.33	1.26	1.24	1.27	1.40	1.40	1.49	1.47
Norway	0.41	0.37	0.33	0.33	0.34	0.38	0.37	0.42	0.37	0.37
Portugal	0.32	0.29	0.39	0.39	0.38	0.38	0.41	0.44	0.43	0.53
Spain	2.09	1.98	2.11	2.12	1.91	1.76	1.80	1.85	2.03	2.13
Sweden	1.14	1.01	0.86	0.77	0.72	0.76	0.77	0.77	0.74	0.71
Switzerland	0.64	0.52	0.49	0.53	0.52	0.54	0.56	0.54	0.54	0.51
Turkey	0.67	0.59	0.69	0.72	0.72	0.75	0.81	0.94	0.93	0.93
United Kingdom	3.62	3.29	3.29	3.14	3.87	3.38	3.37	3.26	3.46	3.57
Yugoslavia	0.65	0.60	0.60	0.57	0.69	0.70	0.64	0.66	0.67	0.63
Other	0.05	0.05	0.05	0.04	0.05	0.05	0.06	0.06	0.07	0.07
Western Europe	**29.43**	**26.85**	**25.88**	**25.13**	**25.22**	**24.97**	**25.78**	**26.06**	**26.49**	**26.65**

Petroleum Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Albania	0.10	0.09	0.09	0.09	0.09	0.09	0.08	0.07	0.07	0.07
Bulgaria	0.66	0.64	0.64	0.64	0.64	0.63	0.62	0.60	0.60	0.53
Czechoslovakia	0.77	0.76	0.71	0.69	0.67	0.65	0.64	0.69	0.67	0.67
Germany, East	0.80	0.76	0.79	0.71	0.72	0.77	0.76	0.72	0.67	0.67
Hungary	0.52	0.50	0.47	0.47	0.47	0.48	0.44	0.42	0.40	0.40
Poland	0.81	0.73	0.66	0.68	0.69	0.70	0.70	0.71	0.73	0.72
Romania	0.80	0.74	0.73	0.68	0.65	0.69	0.69	0.73	0.71	0.71
USSR	18.73	18.51	18.78	18.51	18.86	19.07	19.02	19.07	18.81	18.56
Eastern Europe & USSR	**23.21**	**22.72**	**22.87**	**22.47**	**22.80**	**23.08**	**22.96**	**23.01**	**22.67**	**22.32**
Bahrain	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Cyprus	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06
Iran	1.25	1.24	1.40	1.67	1.62	1.66	1.76	1.83	1.85	1.96
Iraq	0.45	0.45	0.43	0.53	0.51	0.54	0.59	0.59	0.67	0.71
Israel	0.35	0.35	0.35	0.32	0.31	0.27	0.28	0.30	0.34	0.35
Jordan	0.08	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.13	0.13
Kuwait	0.23	0.25	0.25	0.26	0.26	0.26	0.25	0.24	0.25	0.26
Lebanon	0.10	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.12	0.12
Saudi Arabia	1.31	1.43	1.52	1.69	1.82	1.87	1.88	1.87	1.91	2.00
Syria	0.23	0.25	0.26	0.30	0.33	0.35	0.34	0.38	0.41	0.42
United Arab Emirates	0.16	0.21	0.23	0.23	0.24	0.25	0.26	0.27	0.29	0.29
Yemen	0.06	0.07	0.08	0.06	0.09	0.09	0.09	0.08	0.08	0.08
Other	0.09	0.10	0.12	0.11	0.12	0.16	0.18	0.18	0.16	0.16
Middle East	**4.38**	**4.61**	**4.88**	**5.43**	**5.57**	**5.76**	**5.93**	**6.08**	**6.27**	**6.57**
Algeria	0.24	0.25	0.28	0.26	0.31	0.32	0.32	0.32	0.33	0.35
Angola	0.04	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05
Egypt	0.55	0.63	0.68	0.80	0.87	0.92	0.92	0.94	0.93	1.00
Ivory Coast	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.08
Kenya	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.09
Libya	0.21	0.24	0.26	0.26	0.26	0.27	0.27	0.28	0.30	0.32
Morocco	0.19	0.18	0.18	0.19	0.18	0.19	0.19	0.19	0.20	0.23
Nigeria	0.35	0.41	0.44	0.41	0.43	0.45	0.42	0.44	0.48	0.51
South Africa	0.66	0.68	0.73	0.70	0.75	0.73	0.72	0.72	0.72	0.74
Sudan	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06
Tunisia	0.11	0.12	0.11	0.13	0.12	0.11	0.13	0.11	0.13	0.13
Zaire	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.05
Other	0.50	0.50	0.49	0.50	0.51	0.52	0.52	0.53	0.55	0.55
Africa	**3.09**	**3.30**	**3.46**	**3.54**	**3.69**	**3.80**	**3.80**	**3.83**	**3.97**	**4.16**

Petroleum Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Australia	1.22	1.17	1.25	1.21	1.25	1.26	1.26	1.29	1.31	1.36
China	3.81	3.66	3.56	3.69	3.75	3.81	4.10	4.41	4.57	4.83
Guam	0.05	0.07	0.06	0.06	0.02	0.01	0.02	0.01	0.01	0.02
Hong Kong	0.27	0.28	0.27	0.26	0.25	0.23	0.24	0.25	0.26	0.27
India	1.37	1.55	1.56	1.63	1.74	1.87	1.99	2.07	2.29	2.51
Indonesia	0.85	0.95	1.00	0.99	0.99	0.97	0.98	1.03	1.10	1.15
Japan	10.36	10.04	9.38	8.97	9.34	8.90	9.00	9.08	9.69	10.11
Korea, North	0.10	0.11	0.11	0.12	0.13	0.13	0.14	0.14	0.14	0.14
Korea, South	1.18	1.17	1.16	1.21	1.26	1.21	1.28	1.34	1.54	1.75
Malaysia	0.34	0.35	0.38	0.41	0.41	0.41	0.41	0.41	0.43	0.44
Myanmar (Burma)	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.03	0.03	0.03
New Zealand	0.19	0.17	0.17	0.16	0.17	0.15	0.17	0.18	0.19	0.20
Pakistan	0.22	0.24	0.28	0.29	0.30	0.34	0.35	0.38	0.41	0.44
Philippines	0.48	0.45	0.45	0.42	0.36	0.32	0.34	0.40	0.42	0.48
Singapore	0.44	0.46	0.49	0.49	0.51	0.50	0.57	0.63	0.68	0.70
Sri Lanka	0.07	0.07	0.08	0.08	0.08	0.07	0.07	0.08	0.07	0.07
Taiwan	0.82	0.73	0.70	0.72	0.81	0.79	0.85	0.88	1.02	1.11
Thailand	0.48	0.45	0.42	0.44	0.49	0.47	0.48	0.53	0.58	0.69
Vietnam	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07
Other	0.34	0.36	0.35	0.35	0.38	0.39	0.36	0.30	0.30	0.31
Asia-Pacific	**22.69**	**22.40**	**21.77**	**21.61**	**22.35**	**21.97**	**22.72**	**23.52**	**25.09**	**26.67**
Total World	**130.93**	**125.57**	**122.29**	**120.47**	**123.44**	**123.09**	**126.56**	**128.91**	**132.72**	**135.01**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Natural Gas Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	1.85	1.71	1.66	1.81	1.85	2.05	2.03	2.01	2.19	2.27
Mexico	0.87	0.90	0.98	1.04	0.95	0.92	0.89	0.83	0.89	0.93
United States	20.39	19.93	18.51	17.36	18.51	17.83	16.71	17.74	18.55	19.36
North America	**23.12**	**22.53**	**21.15**	**20.20**	**21.31**	**20.81**	**19.63**	**20.59**	**21.63**	**22.56**
Argentina	0.33	0.34	0.42	0.42	0.53	0.54	0.58	0.56	0.70	0.73
Colombia	0.11	0.09	0.12	0.11	0.16	0.16	0.16	0.16	0.17	0.17
Trinidad & Tobago	0.09	0.09	0.10	0.10	0.20	0.23	0.16	0.15	0.16	0.17
Venezuela	0.59	0.65	0.67	0.65	0.69	0.70	0.77	0.75	0.79	0.82
Other	0.16	0.20	0.14	0.15	0.19	0.20	0.19	0.09	0.20	0.21
Central & South America	**1.28**	**1.37**	**1.44**	**1.44**	**1.78**	**1.84**	**1.86**	**1.71**	**2.02**	**2.10**
Austria	0.18	0.18	0.15	0.13	0.18	0.18	0.18	0.17	0.18	0.18
Belgium & Luxembourg	0.49	0.41	0.34	0.36	0.35	0.35	0.32	0.34	0.33	0.34
Ireland	0.02	0.05	0.07	0.08	0.09	0.09	0.06	0.06	0.07	0.08
France	0.99	0.96	0.89	1.03	1.01	1.07	1.04	1.10	1.01	1.05
Germany, West	2.05	2.07	1.74	1.76	1.90	2.03	1.91	2.07	2.03	2.12
Italy	1.07	0.97	0.97	1.00	1.17	1.23	1.27	1.40	1.48	1.54
Netherlands	1.02	1.35	1.46	1.32	1.35	1.22	1.34	1.45	1.35	1.41
Norway	0.05	0.04	0.03	0.05	0.05	0.05	0.04	0.04	0.06	0.06
Spain	0.10	0.11	0.08	0.09	0.08	0.10	0.11	0.12	0.16	0.16
United Kingdom	2.07	1.81	1.70	1.92	2.06	2.16	2.21	2.29	2.18	2.26
Yugoslavia	0.13	0.16	0.16	0.15	0.20	0.21	0.22	0.26	0.28	0.29
Other	0.08	0.07	0.08	0.09	0.09	0.13	0.17	0.18	0.22	0.23
Western Europe	**8.24**	**8.18**	**7.67**	**7.96**	**8.53**	**8.81**	**8.88**	**9.48**	**9.34**	**9.71**
Albania	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Bulgaria	0.17	0.15	0.17	0.17	0.17	0.20	0.21	0.21	0.22	0.23
Czechoslovakia	0.30	0.30	0.32	0.32	0.34	0.38	0.40	0.42	0.40	0.41
Germany, East	0.33	0.34	0.33	0.32	0.37	0.39	0.39	0.37	0.41	0.43
Hungary	0.37	0.37	0.39	0.39	0.40	0.42	0.43	0.41	0.42	0.43
Poland	0.40	0.40	0.38	0.39	0.42	0.42	0.43	0.45	0.47	0.49
Romania	1.39	1.42	1.57	1.61	1.55	1.49	1.57	1.56	1.55	1.61
USSR	12.40	13.44	14.44	15.64	17.21	18.89	20.03	20.94	22.50	23.40
Eastern Europe & USSR	**15.37**	**16.43**	**17.62**	**18.87**	**20.47**	**22.21**	**23.48**	**24.37**	**25.98**	**27.02**
Bahrain	0.10	0.13	0.14	0.15	0.14	0.17	0.19	0.23	0.17	0.18
Iran	0.24	0.16	0.21	0.33	0.50	0.63	0.57	0.60	0.75	0.78
Kuwait	0.26	0.10	0.10	0.13	0.15	0.15	0.20	0.30	0.35	0.37
Oman	0.01	0.08	0.10	0.12	0.05	0.06	0.07	0.08	0.09	0.09
Qatar	0.19	0.16	0.19	0.18	0.22	0.20	0.20	0.21	0.24	0.25
Saudi Arabia	0.54	0.48	0.21	0.21	0.26	0.75	0.93	0.99	1.08	1.12
United Arab Emirates	0.11	0.14	0.10	0.19	0.25	0.39	0.45	0.61	0.64	0.67
Other	0.09	0.04	0.04	0.03	0.03	0.03	0.04	0.06	0.13	0.13
Middle East	**1.55**	**1.30**	**1.09**	**1.34**	**1.61**	**2.39**	**2.65**	**3.07**	**3.45**	**3.59**

Natural Gas Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	0.49	0.37	0.59	0.70	0.72	0.62	0.64	0.70	0.71	0.74
Egypt	0.03	0.06	0.10	0.12	0.15	0.18	0.21	0.23	0.26	0.27
Libya	0.06	0.12	0.09	0.12	0.13	0.15	0.18	0.17	0.16	0.17
Nigeria	0.04	0.05	0.05	0.08	0.10	0.11	0.12	0.14	0.14	0.15
Tunisia	0.02	0.03	0.02	0.02	0.04	0.05	0.04	0.05	0.05	0.05
Other	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03
Africa	**0.65**	**0.63**	**0.87**	**1.06**	**1.16**	**1.13**	**1.21**	**1.31**	**1.34**	**1.40**
Australia	0.35	0.39	0.40	0.40	0.42	0.47	0.50	0.51	0.52	0.54
China	0.53	0.47	0.40	0.45	0.46	0.48	0.51	0.52	0.53	0.55
India	0.05	0.07	0.10	0.11	0.12	0.14	0.19	0.23	0.32	0.33
Indonesia	0.20	0.24	0.23	0.32	0.38	0.54	0.46	0.57	0.50	0.52
Japan	1.01	0.95	0.98	1.07	1.45	1.50	1.56	1.58	1.65	1.72
Malaysia	0.06	0.06	0.05	0.08	0.16	0.23	0.29	0.27	0.30	0.31
New Zealand	0.05	0.04	0.10	0.10	0.11	0.13	0.16	0.15	0.19	0.20
Pakistan	0.28	0.31	0.34	0.34	0.34	0.36	0.38	0.41	0.43	0.45
Other	0.17	0.24	0.25	0.26	0.27	0.37	0.35	0.46	0.61	0.63
Asia-Pacific	**2.71**	**2.78**	**2.85**	**3.14**	**3.71**	**4.22**	**4.40**	**4.70**	**5.04**	**5.24**
Total World	**52.91**	**53.22**	**52.68**	**54.01**	**58.57**	**61.40**	**62.11**	**65.23**	**68.81**	**71.62**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Coal Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	0.87	0.95	1.03	1.00	1.20	1.11	1.04	1.01	1.19	1.26
Mexico	0.16	0.16	0.17	0.19	0.19	0.18	0.18	0.15	0.20	0.21
United States	15.42	15.91	15.32	15.89	17.07	17.48	17.26	18.01	18.87	19.00
North America	**16.46**	**17.02**	**16.52**	**17.08**	**18.47**	**18.77**	**18.48**	**19.18**	**20.26**	**20.47**
Brazil	0.25	0.26	0.30	0.34	0.39	0.44	0.44	0.46	0.40	0.40
Chile	0.06	0.05	0.03	0.03	0.05	0.04	0.06	0.06	0.07	0.08
Colombia	0.14	0.14	0.15	0.15	0.16	0.19	0.14	0.13	0.11	0.11
Other	0.06	0.05	0.04	0.04	0.04	0.02	0.06	0.07	0.06	0.05
Central & South America	**0.50**	**0.49**	**0.52**	**0.56**	**0.64**	**0.68**	**0.71**	**0.72**	**0.65**	**0.63**
Austria	0.15	0.16	0.16	0.16	0.16	0.15	0.15	0.18	0.14	0.18
Belgium & Luxembourg	0.53	0.50	0.51	0.45	0.52	0.49	0.45	0.35	0.34	0.36
Denmark	0.26	0.28	0.25	0.25	0.22	0.33	0.31	0.27	0.21	0.23
France	1.43	1.35	1.16	1.00	1.08	0.95	0.88	0.74	0.66	0.76
Germany, West	3.54	3.70	3.90	3.85	3.64	3.82	3.77	3.53	3.47	3.44
Greece	0.15	0.16	0.14	0.16	0.20	0.24	0.25	0.27	0.28	0.28
Italy	0.50	0.55	0.55	0.51	0.57	0.62	0.59	0.58	0.49	0.53
Netherlands	0.26	0.30	0.25	0.21	0.30	0.30	0.27	0.29	0.31	0.34
Norway	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04
Spain	0.70	0.86	0.94	0.88	0.91	0.97	0.96	0.84	0.91	0.93
Turkey	0.24	0.31	0.32	0.42	0.56	0.62	0.73	0.76	0.64	0.64
United Kingdom	3.18	2.83	2.94	2.67	1.36	2.43	2.71	2.58	2.75	2.76
Yugoslavia	0.64	0.72	0.73	0.80	0.83	0.87	0.88	0.89	0.88	0.88
Other	0.30	0.38	0.37	0.41	0.36	0.50	0.39	0.39	0.40	0.41
Western Europe	**11.92**	**12.16**	**12.26**	**11.79**	**10.75**	**12.33**	**12.38**	**11.70**	**11.52**	**11.77**
Albania	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
Bulgaria	0.63	0.63	0.61	0.66	0.63	0.65	0.62	0.66	0.62	0.62
Czechoslovakia	1.84	1.82	1.86	1.91	1.90	1.87	1.89	1.84	1.83	1.77
Germany, East	2.43	2.47	2.45	2.47	2.57	2.77	2.73	2.61	2.72	2.76
Hungary	0.40	0.39	0.38	0.38	0.39	0.40	0.39	0.33	0.32	0.32
Poland	4.79	4.37	4.79	4.00	3.85	4.15	4.51	4.88	4.95	4.69
Romania	0.68	0.72	0.71	0.56	0.82	0.79	0.83	0.81	0.89	0.91
USSR	12.69	12.49	13.05	12.91	12.86	12.95	13.53	13.69	14.01	13.46
Eastern Europe & USSR	**23.47**	**22.93**	**23.88**	**22.93**	**23.05**	**23.61**	**24.54**	**24.86**	**25.40**	**24.58**
Iran	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.04	0.03	0.04
Other	*	0.02	0.03	0.05	0.08	0.09	0.09	0.08	0.08	0.10
Middle East	**0.02**	**0.04**	**0.05**	**0.08**	**0.11**	**0.11**	**0.12**	**0.12**	**0.12**	**0.14**

Coal Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Morocco	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04
South Africa	2.11	2.36	2.61	2.75	2.91	3.00	3.05	3.14	3.24	3.29
Zambia	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Zimbabwe	0.08	0.08	0.06	0.07	0.05	0.07	0.10	0.11	0.13	0.13
Other	0.09	0.09	0.09	0.11	0.11	0.12	0.10	0.10	0.10	0.11
Africa	**2.32**	**2.56**	**2.80**	**2.97**	**3.11**	**3.23**	**3.29**	**3.41**	**3.52**	**3.58**
Australia	0.87	0.90	1.38	1.25	0.99	1.04	1.21	1.37	1.46	1.46
China	14.66	14.63	14.24	15.25	16.83	17.21	17.57	18.72	19.34	19.45
India	2.23	2.56	2.63	2.81	2.97	3.56	3.91	3.73	3.73	3.73
Japan	2.46	2.71	2.50	2.47	2.73	2.95	2.77	2.95	2.98	2.98
Korea, North	1.27	1.26	1.32	1.26	1.26	1.30	1.29	1.38	1.41	1.45
Korea, South	0.62	0.68	0.71	0.70	0.80	0.94	1.05	1.19	1.26	1.28
Mongolia	0.05	0.05	0.05	0.05	0.06	0.06	0.05	0.08	0.08	0.08
New Zealand	0.04	0.05	0.05	0.04	0.05	0.05	0.04	0.05	0.07	0.07
Pakistan	0.04	0.03	0.04	0.04	0.05	0.04	0.07	0.07	0.07	0.08
Philippines	0.01	0.02	0.02	0.03	0.04	0.02	0.06	0.04	0.06	0.06
Thailand	0.02	0.02	0.02	0.02	0.03	0.05	0.06	0.09	0.07	0.09
Vietnam	0.11	0.15	0.13	0.14	0.11	0.11	0.12	0.13	0.14	0.15
Other	0.22	0.23	0.19	0.24	0.41	0.47	0.51	0.74	0.74	0.84
Asia-Pacific	**22.61**	**23.28**	**23.28**	**24.33**	**26.33**	**27.82**	**28.73**	**30.53**	**31.40**	**31.73**
Total World	**77.30**	**78.48**	**79.31**	**79.74**	**82.46**	**86.56**	**88.23**	**90.52**	**92.87**	**92.89**

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Net Hydroelectric Power Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	2.39	2.39	2.35	2.37	2.53	2.70	2.83	2.77	2.83	2.88
Mexico	0.18	0.25	0.24	0.21	0.24	0.27	0.21	0.19	0.20	0.20
United States	3.12	3.10	3.57	3.90	3.76	3.36	3.39	3.07	2.64	2.86
North America	**5.68**	**5.75**	**6.16**	**6.48**	**6.53**	**6.33**	**6.42**	**6.03**	**5.67**	**5.94**
Argentina	0.16	0.15	0.18	0.21	0.22	0.23	0.23	0.24	0.17	0.17
Brazil	1.33	1.34	1.45	1.56	1.71	1.84	1.88	2.05	2.20	2.20
Chile	0.08	0.08	0.09	0.09	0.10	0.11	0.12	0.13	0.12	0.12
Colombia	0.15	0.15	0.19	0.19	0.21	0.22	0.26	0.26	0.30	0.30
Peru	0.07	0.08	0.09	0.08	0.09	0.10	0.10	0.11	0.11	0.08
Uruguay	0.02	0.03	0.03	0.05	0.06	0.05	0.06	0.06	0.05	0.04
Venezuela	0.15	0.16	0.16	0.19	0.20	0.22	0.26	0.28	0.31	0.31
Other	0.11	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20	0.20
Central & South America	**2.07**	**2.10**	**2.30**	**2.51**	**2.74**	**2.93**	**3.10**	**3.32**	**3.46**	**3.43**
Austria	0.26	0.27	0.27	0.27	0.26	0.28	0.28	0.31	0.32	0.33
Finland	0.12	0.18	0.15	0.17	0.17	0.16	0.16	0.18	0.18	0.18
France	0.74	0.76	0.76	0.73	0.68	0.66	0.65	0.71	0.77	0.50
Germany, West	0.30	0.35	0.34	0.35	0.34	0.34	0.34	0.38	0.39	0.37
Iceland	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Italy	0.54	0.52	0.51	0.51	0.53	0.52	0.52	0.51	0.52	0.48
Norway	0.86	0.94	0.94	1.04	1.06	1.05	1.00	1.05	1.09	1.19
Portugal	0.08	0.05	0.07	0.08	0.09	0.10	0.08	0.09	0.12	0.06
Spain	0.31	0.23	0.27	0.29	0.35	0.34	0.28	0.29	0.36	0.20
Sweden	0.60	0.61	0.58	0.68	0.71	0.71	0.60	0.72	0.72	0.72
Switzerland	0.22	0.22	0.23	0.22	0.18	0.18	0.21	0.23	0.23	0.18
Turkey	0.12	0.13	0.15	0.12	0.14	0.12	0.12	0.19	0.30	0.19
United Kingdom	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04
Yugoslavia	0.28	0.26	0.24	0.22	0.25	0.25	0.28	0.26	0.26	0.24
Other	0.07	0.08	0.08	0.06	0.07	0.07	0.08	0.08	0.07	0.07
Western Europe	**4.56**	**4.67**	**4.66**	**4.82**	**4.89**	**4.85**	**4.67**	**5.07**	**5.42**	**4.80**
Czechoslovakia	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.07	0.06	0.07
Poland	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
Romania	0.13	0.13	0.12	0.11	0.12	0.12	0.11	0.12	0.11	0.11
USSR	1.89	1.90	1.79	1.85	2.08	2.10	2.19	2.22	2.31	2.26
Other	0.10	0.10	0.09	0.10	0.11	0.10	0.10	0.11	0.12	0.10
Eastern Europe & USSR	**2.22**	**2.22**	**2.09**	**2.14**	**2.39**	**2.42**	**2.49**	**2.55**	**2.65**	**2.58**
Iran	0.06	0.06	0.07	0.06	0.07	0.07	0.06	0.07	0.07	0.07
Other	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Middle East	**0.10**	**0.11**	**0.11**	**0.10**	**0.10**	**0.10**	**0.09**	**0.10**	**0.10**	**0.10**

Net Hydroelectric Power Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Egypt	0.10	0.11	0.11	0.10	0.10	0.08	0.08	0.06	0.06	0.06
Zaire	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Zambia	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08
Zimbabwe	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03
Other	0.36	0.27	0.26	0.24	0.19	0.21	0.22	0.23	0.23	0.24
Africa	**0.63**	**0.55**	**0.54**	**0.52**	**0.46**	**0.47**	**0.48**	**0.45**	**0.45**	**0.46**
Australia	0.14	0.15	0.14	0.13	0.13	0.15	0.15	0.14	0.16	0.15
China	0.61	0.68	0.77	0.90	0.90	0.96	0.98	1.04	1.10	1.10
India	0.48	0.52	0.50	0.52	0.56	0.52	0.55	0.49	0.53	0.58
Japan	0.95	0.83	0.77	0.85	0.68	0.81	0.89	0.80	0.87	0.87
Korea, North	0.23	0.24	0.26	0.27	0.28	0.29	0.30	0.30	0.32	0.32
Korea, South	0.02	0.03	0.02	0.03	0.02	0.04	0.04	0.05	0.04	0.05
New Zealand	0.20	0.20	0.19	0.20	0.21	0.20	0.23	0.23	0.23	0.23
Pakistan	0.09	0.09	0.10	0.12	0.13	0.13	0.14	0.16	0.17	0.19
Philippines	0.04	0.04	0.04	0.03	0.05	0.06	0.06	0.05	0.06	0.06
Thailand	0.01	0.03	0.04	0.04	0.04	0.04	0.06	0.04	0.04	0.04
Other	0.14	0.18	0.18	0.20	0.23	0.27	0.29	0.30	0.31	0.32
Asia-Pacific	**2.92**	**2.99**	**3.02**	**3.28**	**3.24**	**3.46**	**3.69**	**3.61**	**3.84**	**3.92**
Total World	**18.16**	**18.39**	**18.86**	**19.85**	**20.36**	**20.56**	**20.95**	**21.13**	**21.59**	**21.23**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Net Nuclear Electric Power Consumption
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	0.42	0.44	0.42	0.54	0.57	0.66	0.78	0.84	0.90	0.87
United States	2.74	3.01	3.13	3.20	3.55	4.15	4.47	4.91	5.68	5.70
North America	**3.16**	**3.45**	**3.55**	**3.74**	**4.12**	**4.81**	**5.25**	**5.75**	**6.58**	**6.57**
Argentina	0.03	0.03	0.02	0.04	0.05	0.06	0.06	0.07	0.07	0.06
Brazil	0.00	0.00	*	*	0.03	0.03	*	0.01	*	0.02
Central & South America	**0.03**	**0.03**	**0.02**	**0.04**	**0.08**	**0.09**	**0.06**	**0.08**	**0.07**	**0.07**
Belgium	0.12	0.12	0.15	0.23	0.27	0.33	0.37	0.39	0.41	0.38
Finland	0.07	0.14	0.16	0.17	0.18	0.18	0.18	0.19	0.19	0.18
France	0.67	0.94	0.99	1.27	1.63	1.90	2.12	2.17	2.23	2.43
Germany, West	0.46	0.57	0.67	0.70	0.99	1.30	1.27	1.39	1.54	1.50
Italy	0.09	0.11	0.16	0.17	0.23	0.26	0.28	0.19	0.19	0.22
Netherlands	0.05	0.04	0.04	0.04	0.05	0.05	0.06	0.05	0.06	0.06
Spain	0.06	0.11	0.10	0.12	0.26	0.32	0.42	0.46	0.54	0.60
Sweden	0.26	0.36	0.37	0.39	0.49	0.56	0.67	0.64	0.66	0.62
Switzerland	0.10	0.11	0.10	0.12	0.16	0.18	0.21	0.23	0.25	0.26
United Kingdom	0.44	0.46	0.53	0.63	0.68	0.74	0.74	0.72	0.83	1.01
Yugoslavia	*	*	0.03	0.05	0.05	0.05	0.05	0.05	0.04	0.04
Western Europe	**2.32**	**2.99**	**3.32**	**3.91**	**5.00**	**5.91**	**6.40**	**6.53**	**6.96**	**7.32**
Bulgaria	0.06	0.09	0.10	0.12	0.12	0.13	0.12	0.13	0.17	0.17
Czechoslovakia	0.05	0.06	0.07	0.07	0.09	0.14	0.21	0.23	0.24	0.24
Germany, East	0.13	0.12	0.11	0.13	0.13	0.14	0.12	0.12	0.12	0.12
Hungary	0.00	0.00	*	0.02	0.04	0.06	0.08	0.11	0.13	0.14
USSR	0.82	0.72	1.11	1.23	1.59	1.90	1.69	1.96	2.26	2.24
Eastern Europe & USSR	**1.08**	**1.01**	**1.42**	**1.60**	**2.00**	**2.42**	**2.27**	**2.61**	**3.01**	**2.99**
Middle East	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
South Africa	0.00	0.00	0.00	0.00	0.04	0.06	0.09	0.06	0.11	0.11
Africa	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**0.06**	**0.09**	**0.06**	**0.11**	**0.11**
India	0.03	0.03	0.02	0.04	0.04	0.05	0.06	0.06	0.06	0.04
Japan	0.85	0.89	1.02	1.13	1.36	1.59	1.69	2.01	1.85	1.86
Korea, South	0.03	0.03	0.04	0.09	0.12	0.16	0.28	0.39	0.39	0.47
Pakistan	*	*	*	*	*	*	*	0.01	*	*
Taiwan	0.08	0.11	0.13	0.19	0.24	0.28	0.26	0.33	0.30	0.27
Asia-Pacific	**1.00**	**1.06**	**1.21**	**1.45**	**1.77**	**2.10**	**2.29**	**2.78**	**2.61**	**2.64**
Total World	**7.58**	**8.53**	**9.52**	**10.74**	**13.01**	**15.39**	**16.36**	**17.82**	**19.33**	**19.71**

* Denotes less than 50 million kilowatthours.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Primary Energy Production
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Canada	9.50	9.34	8.80	8.68	9.03	9.14	9.99
Mexico	1.87	2.15	2.41	2.74	3.14	3.76	4.51
United States	61.95	60.79	59.79	59.81	60.14	61.03	63.71
North America	**73.32**	**72.28**	**71.00**	**71.22**	**72.31**	**73.93**	**78.22**
Argentina	1.20	1.24	1.23	1.24	1.31	1.39	1.45
Brazil	1.03	1.15	1.24	1.32	1.44	1.53	1.76
Venezuela	8.13	7.29	5.89	5.79	5.69	5.52	6.04
Other	2.49	2.28	2.19	2.32	2.43	2.74	2.98
Central & South America	**12.85**	**11.97**	**10.55**	**10.67**	**10.88**	**11.19**	**12.23**
France	1.78	1.82	1.88	1.71	2.00	2.02	2.03
Germany, West	4.92	5.12	5.04	5.14	5.12	5.12	5.44
Italy	1.06	1.07	1.08	1.11	1.15	1.13	1.10
Netherlands	2.52	2.86	3.16	3.44	2.90	2.49	2.69
Norway	0.83	0.88	1.22	1.47	1.47	2.07	2.68
Spain	0.69	0.77	0.73	0.71	0.92	0.96	1.06
Sweden	NA	NA	0.71	0.72	0.74	0.83	0.83
United Kingdom	4.66	4.38	4.87	5.39	6.58	7.19	8.24
Yugoslavia	NA	NA	0.84	0.88	0.95	0.98	1.02
Other	3.14	3.20	1.90	1.77	2.10	2.03	2.30
Western Europe	**19.58**	**20.10**	**21.43**	**22.34**	**23.93**	**24.81**	**27.40**
Czechoslovakia	1.74	1.78	1.83	1.86	1.91	1.94	1.96
Germany, East	2.19	2.19	2.20	2.25	2.30	2.32	2.36
Poland	4.94	4.53	4.78	5.00	5.18	5.36	5.51
Romania	2.14	2.19	2.29	2.39	2.48	2.34	2.47
USSR	39.28	41.77	44.85	47.46	49.79	52.11	53.88
Other	1.16	1.15	1.20	1.25	1.30	1.33	1.34
Eastern Europe & USSR	**51.44**	**53.61**	**57.15**	**60.23**	**62.95**	**65.40**	**67.52**
Iran	13.27	13.68	12.23	13.43	12.88	11.93	7.46
Iraq	4.35	4.24	4.88	5.25	5.08	5.53	7.49
Kuwait	6.75	5.67	4.68	4.84	4.46	4.90	5.78
Oman	NA	NA	0.74	0.79	0.73	0.68	0.63
Qatar	NA	NA	1.02	1.11	1.00	1.08	1.24
Saudi Arabia	16.63	18.57	15.65	18.88	20.51	18.45	21.24
United Arab Emirates	3.27	3.56	3.57	4.20	4.45	4.09	4.12
Other	2.34	2.49	0.77	0.64	0.66	0.65	0.70
Middle East	**46.61**	**48.21**	**43.53**	**49.13**	**49.77**	**47.30**	**48.65**

Primary Energy Production
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Algeria	2.47	2.35	2.36	2.65	2.63	3.28	3.16
Egypt	0.41	0.39	0.58	0.82	1.05	1.21	1.31
Libya	4.72	3.32	3.27	4.26	4.53	4.40	4.63
Nigeria	4.45	4.89	3.88	4.51	4.50	4.06	4.95
South Africa	1.48	1.57	1.65	1.84	2.03	2.15	2.46
Other	1.27	1.41	1.61	1.41	1.70	1.59	1.80
Africa	**14.81**	**13.93**	**13.35**	**15.49**	**16.44**	**16.70**	**18.30**
Australia	3.25	3.04	3.19	3.35	3.43	3.51	3.66
China	13.14	14.25	15.11	15.35	16.16	18.05	18.53
India	2.22	2.36	2.68	2.88	2.95	3.14	3.30
Indonesia	2.90	2.99	2.89	3.38	3.85	3.71	3.83
Japan	1.53	1.70	1.82	1.86	1.65	1.91	2.00
Korea, North	1.15	1.22	1.18	1.21	1.21	1.23	1.30
Malaysia	NA	NA	0.23	0.38	0.42	0.50	0.61
Other	1.96	2.08	2.05	2.19	2.42	2.47	2.75
Asia-Pacific	**26.17**	**27.64**	**29.16**	**30.59**	**32.09**	**34.53**	**35.99**
Total World	**244.78**	**247.74**	**246.18**	**259.67**	**268.37**	**273.87**	**288.31**

Primary Energy Production
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	10.06	9.77	9.66	10.14	11.01	11.80	11.71	12.32	13.17	13.02
Mexico	5.80	6.78	7.82	7.70	7.88	7.74	7.07	7.20	7.30	7.36
United States	64.65	64.30	63.79	61.08	65.67	64.55	63.99	64.58	65.77	65.83
North America	**80.51**	**80.85**	**81.27**	**78.92**	**84.56**	**84.09**	**82.77**	**84.11**	**86.24**	**86.21**
Argentina	1.55	1.62	1.68	1.74	1.80	1.79	1.79	1.79	1.90	1.92
Brazil	1.97	1.99	2.21	2.52	3.03	3.38	3.41	3.59	3.69	3.78
Venezuela	5.71	5.58	5.22	5.00	5.02	4.78	5.18	5.10	5.53	5.58
Other	2.91	2.90	2.89	2.94	3.29	3.51	3.80	3.76	4.05	4.04
Central & South America	**12.14**	**12.09**	**12.01**	**12.20**	**13.14**	**13.45**	**14.18**	**14.24**	**15.16**	**15.33**
France	2.32	2.65	2.61	2.96	3.37	3.54	3.81	3.97	4.10	4.02
Germany, West	5.43	5.61	5.76	5.58	5.78	6.10	5.85	5.80	5.93	5.87
Italy	1.06	1.11	1.16	1.11	1.17	1.18	1.26	1.19	1.27	1.25
Netherlands	3.32	3.10	2.67	2.62	2.71	2.82	2.71	2.78	2.55	2.62
Norway	3.03	3.07	3.12	3.42	3.66	3.83	3.98	4.48	4.84	5.77
Spain	0.99	1.02	1.14	1.25	1.41	1.48	1.50	1.51	1.72	1.56
Sweden	0.86	0.97	0.94	1.05	1.19	1.28	1.29	1.38	1.38	1.35
United Kingdom	8.35	8.64	9.44	9.85	8.78	10.11	10.55	10.24	9.93	9.16
Yugoslavia	1.10	1.13	1.16	1.19	1.31	1.33	1.38	1.37	1.39	1.40
Other	2.22	2.45	2.71	2.89	3.04	3.33	3.51	3.81	3.87	3.65
Western Europe	**28.68**	**29.76**	**30.70**	**31.92**	**32.42**	**35.01**	**35.85**	**36.52**	**36.98**	**36.66**
Czechoslovakia	1.98	1.98	2.01	2.02	2.06	2.10	2.16	2.17	2.18	2.20
Germany, East	2.44	2.53	2.57	2.66	2.82	2.97	2.92	2.79	2.92	2.88
Poland	5.28	4.54	5.16	5.25	5.37	5.54	5.72	5.79	5.87	5.52
Romania	2.47	2.54	2.65	2.67	2.72	2.64	2.72	2.65	2.66	2.73
USSR	55.73	56.70	58.55	60.03	62.10	63.86	66.37	68.36	70.90	70.33
Other	1.37	1.39	1.53	1.58	1.57	1.59	1.59	1.63	1.65	1.57
Eastern Europe & USSR	**69.28**	**69.68**	**72.47**	**74.22**	**76.64**	**78.70**	**81.47**	**83.39**	**86.18**	**85.24**
Iran	3.93	3.28	5.12	5.67	5.29	5.57	5.06	5.66	5.70	7.06
Iraq	5.45	2.16	2.19	2.17	2.61	3.09	3.66	4.58	5.97	6.30
Kuwait	3.88	2.70	1.98	2.51	2.76	2.44	3.36	3.77	3.63	4.31
Oman	0.61	0.77	0.80	0.83	0.94	1.13	1.28	1.34	1.43	1.48
Qatar	1.20	1.05	0.93	0.84	1.09	0.88	0.88	0.86	1.01	1.13
Saudi Arabia	22.48	22.57	14.86	11.69	11.29	8.55	11.91	10.73	12.73	12.69
United Arab Emirates	3.89	3.45	3.00	2.91	3.00	3.29	3.68	4.21	4.22	5.06
Other	0.72	0.75	0.66	0.67	0.66	0.71	0.79	0.95	1.30	1.52
Middle East	**42.16**	**36.73**	**29.54**	**27.29**	**27.65**	**25.66**	**30.62**	**32.09**	**35.98**	**39.55**

Primary Energy Production
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	2.75	2.95	3.11	3.46	3.71	3.77	3.55	4.01	4.02	4.21
Egypt	1.45	1.48	1.69	1.84	2.08	2.23	2.09	2.28	2.22	2.26
Libya	4.03	2.57	2.61	2.52	2.53	2.46	2.43	2.29	2.73	2.67
Nigeria	4.50	3.18	2.86	2.77	3.12	3.35	3.30	3.04	3.29	3.80
South Africa	2.73	3.09	3.24	3.45	3.87	4.17	4.26	4.23	4.30	4.27
Other	1.88	1.83	1.91	2.08	2.22	2.43	2.50	2.64	2.87	3.03
Africa	**17.34**	**15.11**	**15.43**	**16.12**	**17.51**	**18.42**	**18.14**	**18.50**	**19.43**	**20.24**
Australia	3.50	3.88	4.04	4.24	4.41	5.33	5.49	6.02	5.82	5.78
China	18.33	18.11	19.14	20.47	22.40	24.15	24.85	26.19	27.07	27.23
India	3.36	4.10	4.43	4.88	5.21	5.52	5.96	5.70	5.89	6.05
Indonesia	4.17	4.29	3.68	3.84	4.27	4.24	4.33	4.36	4.42	4.66
Japan	2.30	2.21	2.31	2.48	2.55	2.91	3.07	3.24	3.10	3.07
Korea, North	1.37	1.38	1.45	1.41	1.44	1.51	1.54	1.62	1.65	1.68
Malaysia	0.64	0.60	0.71	0.93	1.30	1.42	1.65	1.67	1.80	1.92
Other	2.86	2.92	3.04	3.27	3.49	3.88	4.18	4.33	4.48	4.71
Asia-Pacific	**36.53**	**37.50**	**38.78**	**41.51**	**45.08**	**48.95**	**51.07**	**53.13**	**54.24**	**55.12**
Total World	**286.63**	**281.71**	**280.20**	**282.19**	**297.00**	**304.29**	**314.10**	**321.97**	**334.22**	**338.34**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Petroleum Production
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Canada	4.33	4.06	3.50	3.22	3.22	3.20	3.66
Mexico	1.14	1.38	1.65	1.95	2.29	2.80	3.40
United States	22.06	21.05	20.10	19.59	19.78	20.68	20.39
North America	**27.53**	**26.49**	**25.26**	**24.76**	**25.30**	**26.68**	**27.46**
Argentina	0.94	0.93	0.88	0.89	0.96	1.01	1.05
Brazil	0.37	0.38	0.39	0.36	0.35	0.35	0.36
Colombia	0.42	0.39	0.36	0.33	0.31	0.29	0.28
Ecuador	0.46	0.38	0.35	0.41	0.40	0.44	0.46
Peru	0.16	0.17	0.15	0.17	0.22	0.32	0.42
Trinidad & Tobago	0.36	0.41	0.45	0.50	0.51	0.51	0.48
Venezuela	7.61	6.73	5.32	5.22	5.12	4.93	5.37
Other	0.19	0.17	0.16	0.17	0.16	0.15	0.15
Central & South America	**10.50**	**9.58**	**8.07**	**8.05**	**8.03**	**8.00**	**8.57**
Norway	0.07	0.07	0.41	0.60	0.60	0.78	0.89
United Kingdom	0.01	0.01	0.05	0.55	1.69	2.38	3.43
Other	0.96	0.95	0.92	0.91	0.86	0.88	0.89
Western Europe	**1.05**	**1.04**	**1.38**	**2.06**	**3.16**	**4.04**	**5.21**
Romania	0.64	0.65	0.66	0.66	0.66	0.62	0.56
USSR	17.03	18.24	20.72	21.94	23.04	24.12	24.72
Other	0.22	0.23	0.23	0.23	0.24	0.25	0.25
Eastern Europe & USSR	**17.90**	**19.12**	**21.60**	**22.83**	**23.93**	**24.99**	**25.52**
Iran	12.66	13.01	11.57	12.75	12.23	11.34	6.82
Iraq	4.30	4.20	4.82	5.16	5.01	5.46	7.42
Kuwait	6.65	5.57	4.57	4.71	4.33	4.71	5.55
Oman	0.00	0.00	0.74	0.79	0.73	0.68	0.63
Qatar	1.19	1.10	0.94	1.06	0.94	1.03	1.08
Saudi Arabia	16.46	18.45	15.44	18.63	20.22	18.10	20.80
Syria	0.23	0.28	0.38	0.39	0.42	0.38	0.37
United Arab Emirates	3.24	3.51	3.48	4.14	4.25	3.92	3.92
Other	0.78	0.98	0.30	0.13	0.12	0.15	0.17
Middle East	**45.52**	**47.09**	**42.23**	**47.76**	**48.25**	**45.75**	**46.76**

Petroleum Production
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Algeria	2.29	2.14	2.13	2.35	2.41	2.58	2.57
Angola	0.35	0.36	0.35	0.23	0.41	0.28	0.31
Cameroon	0.00	0.00	0.00	0.00	0.00	0.03	0.07
Egypt	0.36	0.32	0.51	0.72	0.92	1.08	1.17
Gabon	0.33	0.44	0.49	0.48	0.48	0.45	0.44
Libya	4.61	3.22	3.15	4.12	4.38	4.21	4.44
Nigeria	4.41	4.85	3.83	4.45	4.44	4.01	4.86
Tunisia	0.00	0.00	0.20	0.15	0.20	0.21	0.21
Other	0.17	0.18	0.08	0.08	0.12	0.11	0.17
Africa	**12.51**	**11.50**	**10.74**	**12.59**	**13.36**	**12.95**	**14.24**
Australia	0.86	0.90	0.95	0.96	0.98	0.99	1.00
Brunei	0.48	0.43	0.42	0.48	0.50	0.49	0.56
China	2.34	2.82	3.20	3.59	4.02	4.47	4.55
India	0.31	0.33	0.35	0.37	0.42	0.47	0.51
Indonesia	2.85	2.93	2.78	3.23	3.61	3.47	3.39
Malaysia	0.19	0.17	0.20	0.34	0.38	0.45	0.59
Other	0.05	0.05	0.05	0.06	0.15	0.14	0.20
Asia-Pacific	**7.09**	**7.65**	**7.95**	**9.03**	**10.05**	**10.47**	**10.80**
Total World	**122.08**	**122.46**	**117.22**	**127.08**	**132.08**	**132.89**	**138.57**

Petroleum Production
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	3.53	3.21	3.16	3.33	3.55	3.61	3.61	3.79	3.99	3.91
Mexico	4.52	5.39	6.37	6.25	6.46	6.38	5.81	6.04	6.02	6.01
United States	20.50	20.46	20.50	20.57	21.12	21.23	20.53	19.90	19.54	18.28
North America	**28.55**	**29.06**	**30.02**	**30.15**	**31.12**	**31.22**	**29.93**	**29.71**	**29.55**	**28.19**
Argentina	1.10	1.10	1.09	1.08	1.07	1.04	0.99	0.99	1.03	1.04
Brazil	0.40	0.47	0.57	0.75	1.05	1.25	1.26	1.26	1.24	1.33
Colombia	0.29	0.28	0.32	0.33	0.37	0.39	0.68	0.86	0.83	0.90
Ecuador	0.45	0.46	0.46	0.52	0.57	0.61	0.64	0.38	0.66	0.61
Peru	0.43	0.42	0.43	0.36	0.39	0.40	0.38	0.35	0.30	0.28
Trinidad & Tobago	0.47	0.53	0.40	0.35	0.37	0.38	0.37	0.35	0.35	0.34
Venezuela	5.00	4.82	4.37	4.16	4.13	3.86	4.15	4.06	4.42	4.44
Other	0.18	0.18	0.21	0.20	0.20	0.20	0.19	0.18	0.17	0.17
Central & South America	**8.29**	**8.27**	**7.83**	**7.76**	**8.16**	**8.13**	**8.67**	**8.43**	**9.01**	**9.10**
Norway	1.14	1.08	1.12	1.32	1.49	1.69	1.86	2.19	2.50	3.31
United Kingdom	3.55	3.92	4.50	5.03	5.49	5.60	5.63	5.37	5.00	4.02
Other	0.89	0.91	1.00	1.13	1.11	1.19	1.30	1.37	1.39	1.36
Western Europe	**5.59**	**5.90**	**6.62**	**7.48**	**8.09**	**8.48**	**8.79**	**8.91**	**8.90**	**8.68**
Romania	0.52	0.53	0.53	0.54	0.53	0.49	0.50	0.48	0.43	0.40
USSR	25.47	25.70	25.86	26.02	25.86	25.18	25.97	26.29	26.47	25.60
Other	0.25	0.25	0.29	0.33	0.28	0.28	0.28	0.27	0.26	0.22
Eastern Europe & USSR	**26.24**	**26.48**	**26.68**	**26.87**	**26.66**	**25.95**	**26.74**	**27.03**	**27.16**	**26.22**
Iran	3.59	2.98	4.77	5.25	4.70	4.86	4.39	4.97	4.86	6.19
Iraq	5.38	2.13	2.16	2.14	2.59	3.06	3.61	4.44	5.75	6.07
Kuwait	3.74	2.52	1.84	2.38	2.61	2.29	3.18	3.58	3.38	4.06
Oman	0.61	0.68	0.69	0.80	0.90	1.08	1.21	1.26	1.34	1.39
Qatar	1.00	0.88	0.74	0.65	0.87	0.67	0.68	0.65	0.77	0.88
Saudi Arabia	22.09	21.84	14.65	11.48	10.64	7.80	10.98	9.74	11.65	11.58
Syria	0.37	0.37	0.36	0.38	0.38	0.40	0.75	0.76	0.82	0.97
United Arab Emirates	3.68	3.21	2.79	2.63	2.65	2.78	2.81	3.26	3.32	4.14
Other	0.19	0.19	0.11	0.10	0.10	0.10	0.13	0.14	0.47	0.52
Middle East	**40.65**	**34.83**	**28.12**	**25.84**	**25.43**	**23.04**	**27.73**	**28.78**	**32.36**	**35.81**

Petroleum Production
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	2.32	2.12	2.11	2.06	2.26	2.32	2.14	2.38	2.33	2.47
Angola	0.32	0.28	0.26	0.38	0.44	0.49	0.60	0.77	0.96	0.96
Cameroon	0.13	0.19	0.24	0.25	0.29	0.40	0.38	0.38	0.35	0.37
Egypt	1.32	1.32	1.49	1.62	1.83	1.97	1.80	1.99	1.90	1.93
Gabon	0.38	0.32	0.34	0.34	0.34	0.37	0.36	0.33	0.34	0.47
Libya	3.84	2.46	2.48	2.38	2.36	2.27	2.23	2.10	2.53	2.45
Nigeria	4.42	3.08	2.78	2.66	2.99	3.21	3.15	2.88	3.12	3.63
Tunisia	0.23	0.24	0.25	0.25	0.25	0.24	0.23	0.22	0.22	0.23
Other	0.19	0.24	0.26	0.30	0.41	0.41	0.38	0.38	0.41	0.41
Africa	**13.14**	**10.26**	**10.21**	**10.24**	**11.16**	**11.68**	**11.26**	**11.43**	**12.18**	**12.93**
Australia	0.88	0.90	0.84	0.93	1.10	1.27	1.15	1.21	1.21	1.09
Brunei	0.56	0.39	0.37	0.39	0.36	0.35	0.38	0.32	0.31	0.32
China	4.55	4.32	4.39	4.55	4.94	5.38	5.62	5.77	5.87	5.92
India	0.38	0.68	0.82	1.00	1.09	1.30	1.32	1.27	1.33	1.41
Indonesia	3.47	3.56	2.93	2.95	3.08	2.85	2.95	2.85	2.86	3.05
Malaysia	0.59	0.55	0.64	0.76	0.94	0.93	1.06	1.05	1.15	1.24
Other	0.18	0.14	0.20	0.22	0.26	0.34	0.36	0.35	0.39	0.47
Asia-Pacific	**10.60**	**10.54**	**10.18**	**10.80**	**11.75**	**12.41**	**12.86**	**12.83**	**13.11**	**13.50**
Total World	**133.06**	**125.33**	**119.66**	**119.13**	**122.38**	**120.90**	**126.00**	**127.12**	**132.27**	**134.44**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Natural Gas Production
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Canada	2.44	2.42	2.44	2.46	2.59	2.47	2.66
Mexico	0.48	0.50	0.50	0.49	0.52	0.65	0.78
United States	22.19	21.21	19.64	19.48	19.57	19.49	20.08
North America	**25.11**	**24.13**	**22.59**	**22.43**	**22.67**	**22.61**	**23.51**
Argentina	0.22	0.24	0.25	0.25	0.26	0.26	0.24
Bolivia	0.05	0.06	0.06	0.06	0.06	0.06	0.06
Brazil	NA	NA	0.02	0.03	0.04	0.04	0.03
Colombia	0.14	0.13	0.08	0.08	0.13	0.15	0.14
Trinidad & Tobago	0.07	0.06	0.05	0.07	0.08	0.10	0.13
Venezuela	0.46	0.48	0.48	0.46	0.44	0.46	0.52
Other	0.27	0.12	0.10	0.10	0.11	0.23	0.32
Central & South America	**1.21**	**1.08**	**1.04**	**1.04**	**1.13**	**1.30**	**1.45**
France	0.28	0.28	0.27	0.26	0.26	0.24	0.24
Germany, West	0.67	0.69	0.63	0.64	0.64	0.68	0.69
Italy	0.56	0.56	0.53	0.57	0.50	0.50	0.47
Netherlands	2.38	2.73	3.05	3.33	2.79	2.38	2.59
Norway	0.00	*	0.01	0.01	0.11	0.44	0.87
United Kingdom	1.06	1.29	1.34	1.41	1.47	1.38	1.40
Yugoslavia	NA	NA	0.06	0.07	0.07	0.08	0.07
Other	0.14	0.15	0.10	0.09	0.13	0.08	0.12
Western Europe	**5.09**	**5.69**	**5.99**	**6.38**	**5.97**	**5.78**	**6.44**
Germany, East	0.10	0.10	0.10	0.12	0.12	0.12	0.09
Hungary	0.19	0.20	0.20	0.24	0.26	0.29	0.26
Poland	0.22	0.21	0.22	0.24	0.26	0.29	0.26
Romania	1.04	1.08	1.17	1.28	1.35	1.20	1.35
USSR	7.85	8.65	9.52	10.56	11.39	12.25	13.38
Other	0.05	0.05	0.05	0.05	0.05	0.05	0.04
Eastern Europe & USSR	**9.45**	**10.29**	**11.26**	**12.49**	**13.42**	**14.20**	**15.38**
Bahrain	0.06	0.07	0.07	0.08	0.08	0.08	0.10
Iran	0.55	0.60	0.60	0.61	0.58	0.53	0.57
Kuwait	0.10	0.10	0.10	0.13	0.14	0.19	0.23
Qatar	NA	NA	0.08	0.05	0.06	0.05	0.16
Saudi Arabia	0.17	0.12	0.21	0.25	0.30	0.35	0.43
United Arab Emirates	0.04	0.04	0.08	0.06	0.20	0.18	0.20
Other	0.11	0.10	0.07	0.09	0.07	0.07	0.09
Middle East	**1.03**	**1.04**	**1.22**	**1.28**	**1.42**	**1.45**	**1.78**

Natural Gas Production
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Algeria	0.18	0.21	0.22	0.30	0.22	0.70	0.58
Egypt	NA	NA	*	0.01	0.04	0.04	0.04
Libya	0.11	0.10	0.12	0.14	0.14	0.19	0.19
Nigeria	NA	NA	0.01	0.02	0.02	0.02	0.05
Other	0.04	0.07	0.12	0.03	0.02	0.02	0.03
Africa	**0.33**	**0.38**	**0.46**	**0.50**	**0.44**	**0.97**	**0.89**
Australia	0.15	0.17	0.19	0.22	0.25	0.27	0.29
Bangladesh	NA	NA	0.02	0.03	0.03	0.04	0.05
Brunei	0.07	0.16	0.21	0.28	0.32	0.33	0.33
China	0.26	0.30	0.34	0.38	0.43	0.53	0.54
India	NA	NA	0.03	0.04	0.05	0.06	0.04
Indonesia	0.03	0.04	0.09	0.13	0.21	0.21	0.41
Japan	0.10	0.10	0.09	0.09	0.11	0.10	0.04
Malaysia	NA	NA	0.02	0.02	0.03	0.04	0.01
New Zealand	NA	NA	0.01	0.04	0.06	0.05	0.05
Pakistan	0.13	0.15	0.16	0.16	0.17	0.18	0.23
Thailand	NA	NA	0.00	0.00	0.00	0.00	0.00
Other	0.22	0.23	0.17	0.17	0.16	0.12	0.13
Asia-Pacific	**0.96**	**1.15**	**1.34**	**1.56**	**1.82**	**1.93**	**2.11**
Total World	**43.18**	**43.76**	**43.90**	**45.68**	**46.88**	**48.24**	**51.57**

Natural Gas Production
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	2.64	2.47	2.44	2.52	2.61	2.98	2.77	3.00	3.47	3.59
Mexico	0.97	0.99	1.07	1.06	1.00	0.92	0.89	0.83	0.89	0.92
United States	19.91	19.70	18.26	16.53	17.93	16.91	16.47	17.05	17.52	17.80
North America	**23.53**	**23.16**	**21.77**	**20.11**	**21.54**	**20.80**	**20.13**	**20.88**	**21.87**	**22.30**
Argentina	0.26	0.32	0.37	0.41	0.46	0.47	0.51	0.49	0.62	0.65
Bolivia	0.07	0.07	0.08	0.08	0.09	0.08	0.09	0.09	0.09	0.09
Brazil	0.04	0.04	0.05	0.06	0.08	0.10	0.09	0.11	0.10	0.10
Colombia	0.11	0.12	0.12	0.12	0.16	0.16	0.16	0.16	0.17	0.17
Trinidad & Tobago	0.08	0.08	0.11	0.13	0.20	0.23	0.16	0.15	0.16	0.17
Venezuela	0.56	0.59	0.68	0.66	0.69	0.70	0.77	0.75	0.79	0.82
Other	0.26	0.14	0.10	0.10	0.10	0.10	0.08	0.08	0.08	0.09
Central & South America	**1.39**	**1.37**	**1.51**	**1.55**	**1.78**	**1.84**	**1.86**	**1.82**	**2.02**	**2.09**
France	0.24	0.20	0.20	0.21	0.20	0.17	0.13	0.13	0.10	0.10
Germany, West	0.63	0.64	0.56	0.58	0.62	0.57	0.51	0.53	0.56	0.57
Italy	0.43	0.51	0.52	0.47	0.50	0.52	0.58	0.59	0.60	0.62
Netherlands	3.21	3.00	2.54	2.45	2.52	2.59	2.44	2.53	2.33	2.41
Norway	1.01	1.01	1.02	0.98	1.06	1.07	1.09	1.22	1.20	1.24
United Kingdom	1.31	1.30	1.45	1.49	1.51	1.61	1.70	1.79	1.72	1.78
Yugoslavia	0.07	0.07	0.07	0.06	0.08	0.09	0.10	0.09	0.12	0.12
Other	0.11	0.11	0.13	0.14	0.16	0.20	0.21	0.25	0.30	0.31
Western Europe	**7.02**	**6.85**	**6.50**	**6.39**	**6.65**	**6.83**	**6.77**	**7.12**	**6.93**	**7.17**
Germany, East	0.12	0.13	0.11	0.15	0.17	0.18	0.16	0.12	0.16	0.17
Hungary	0.23	0.24	0.26	0.26	0.27	0.29	0.28	0.25	0.25	0.26
Poland	0.23	0.22	0.20	0.20	0.22	0.23	0.21	0.20	0.21	0.21
Romania	1.35	1.39	1.52	1.57	1.50	1.43	1.50	1.48	1.44	1.49
USSR	14.28	15.28	16.44	17.58	19.27	21.12	22.50	23.63	25.34	26.23
Other	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05
Eastern Europe & USSR	**16.24**	**17.31**	**18.57**	**19.80**	**21.47**	**23.28**	**24.70**	**25.74**	**27.45**	**28.42**
Bahrain	0.10	0.13	0.14	0.15	0.14	0.17	0.19	0.23	0.17	0.18
Iran	0.26	0.22	0.26	0.33	0.50	0.63	0.57	0.60	0.75	0.77
Kuwait	0.15	0.17	0.14	0.13	0.15	0.15	0.18	0.20	0.24	0.25
Qatar	0.19	0.16	0.19	0.18	0.22	0.20	0.20	0.21	0.24	0.25
Saudi Arabia	0.39	0.72	0.21	0.20	0.65	0.75	0.93	0.99	1.08	1.11
United Arab Emirates	0.21	0.24	0.21	0.28	0.36	0.51	0.56	0.71	0.69	0.71
Other	0.08	0.13	0.14	0.06	0.08	0.09	0.13	0.25	0.33	0.34
Middle East	**1.40**	**1.78**	**1.29**	**1.33**	**2.10**	**2.50**	**2.76**	**3.18**	**3.49**	**3.62**

Natural Gas Production
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	0.44	0.82	1.00	1.39	1.44	1.44	1.41	1.62	1.68	1.74
Egypt	0.03	0.05	0.10	0.12	0.15	0.18	0.21	0.23	0.26	0.26
Libya	0.19	0.12	0.13	0.15	0.17	0.19	0.21	0.20	0.20	0.21
Nigeria	0.04	0.08	0.05	0.09	0.10	0.11	0.12	0.14	0.14	0.15
Other	0.03	0.03	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04
Africa	**0.73**	**1.10**	**1.31**	**1.79**	**1.91**	**1.97**	**1.99**	**2.23**	**2.32**	**2.40**
Australia	0.33	0.39	0.40	0.40	0.42	0.47	0.50	0.51	0.52	0.54
Bangladesh	0.05	0.06	0.06	0.07	0.09	0.10	0.11	0.13	0.16	0.16
Brunei	0.35	0.38	0.36	0.37	0.34	0.33	0.33	0.34	0.34	0.35
China	0.53	0.47	0.40	0.45	0.46	0.48	0.51	0.52	0.53	0.55
India	0.05	0.07	0.09	0.11	0.12	0.14	0.19	0.23	0.32	0.33
Indonesia	0.66	0.69	0.70	0.81	1.11	1.29	1.24	1.35	1.41	1.45
Japan	0.04	0.04	0.07	0.08	0.09	0.10	0.08	0.08	0.08	0.08
Malaysia	0.04	0.04	0.06	0.15	0.34	0.45	0.55	0.57	0.60	0.62
New Zealand	0.05	0.05	0.10	0.11	0.11	0.13	0.16	0.15	0.19	0.20
Pakistan	0.28	0.31	0.34	0.33	0.34	0.36	0.38	0.41	0.43	0.45
Thailand	0.00	0.04	0.05	0.06	0.07	0.13	0.12	0.14	0.20	0.21
Other	0.12	0.15	0.15	0.16	0.17	0.19	0.19	0.19	0.17	0.18
Asia-Pacific	**2.49**	**2.69**	**2.79**	**3.10**	**3.66**	**4.16**	**4.35**	**4.63**	**4.95**	**5.12**
Total World	**52.79**	**54.25**	**53.74**	**54.08**	**59.12**	**61.37**	**62.56**	**65.58**	**69.04**	**71.11**

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Coal Production
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Canada	0.52	0.50	0.60	0.59	0.66	0.71	0.78
Mexico	0.08	0.10	0.10	0.11	0.13	0.13	0.15
United States	13.93	14.08	14.99	15.65	15.76	14.91	17.54
North America	**14.53**	**14.68**	**15.70**	**16.36**	**16.55**	**15.76**	**18.46**
Brazil	0.04	0.07	0.06	0.08	0.08	0.08	0.17
Chile	NA	NA	0.04	0.03	0.03	0.03	0.03
Colombia	0.08	0.08	0.08	0.09	0.09	0.09	0.12
Other	0.05	0.05	0.01	0.02	0.02	0.01	0.02
Central & South America	**0.17**	**0.20**	**0.20**	**0.21**	**0.22**	**0.21**	**0.34**
Austria	NA	NA	0.05	0.04	0.04	0.04	0.04
Belgium	0.22	0.21	0.19	0.18	0.18	0.17	0.16
France	0.76	0.68	0.68	0.67	0.65	0.63	0.56
Germany, West	3.69	3.86	3.76	3.86	3.70	3.68	3.94
Greece	0.07	0.07	0.09	0.12	0.12	0.12	0.12
Italy	NA	NA	0.02	0.02	0.02	0.02	0.02
Norway	NA	NA	0.01	0.01	0.01	0.01	0.01
Spain	0.28	0.29	0.30	0.31	0.36	0.39	0.42
Turkey	0.19	0.18	0.18	0.16	0.20	0.20	0.32
United Kingdom	3.19	2.60	3.04	2.93	2.89	2.92	2.89
Yugoslavia	0.38	0.40	0.42	0.44	0.46	0.47	0.49
Other	0.13	0.11	0.01	0.01	0.01	0.01	0.01
Western Europe	**8.92**	**8.39**	**8.75**	**8.75**	**8.65**	**8.65**	**8.97**
Albania	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Bulgaria	0.38	0.34	0.39	0.36	0.35	0.35	0.39
Czechoslovakia	1.67	1.69	1.74	1.78	1.82	1.85	1.86
Germany, East	2.07	2.05	2.06	2.07	2.11	2.12	2.15
Hungary	0.34	0.34	0.32	0.33	0.33	0.33	0.32
Poland	4.68	4.27	4.52	4.72	4.87	5.03	5.20
Romania	0.38	0.38	0.38	0.37	0.38	0.41	0.45
USSR	13.02	13.33	13.10	13.30	13.49	13.52	13.44
Eastern Europe & USSR	**22.54**	**22.41**	**22.52**	**22.94**	**23.38**	**23.63**	**23.83**
Iran	NA	NA	0.03	0.02	0.02	0.02	0.02
Middle East	**NA**	**NA**	**0.03**	**0.02**	**0.02**	**0.02**	**0.02**

Coal Production
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Morocco	NA	NA	0.02	0.02	0.02	0.02	0.02
Mozambique	NA	NA	0.02	0.01	0.01	*	0.01
South Africa	1.47	1.56	1.64	1.82	2.01	2.13	2.44
Zambia	NA	NA	0.02	0.02	0.02	0.02	0.01
Zimbabwe	0.09	0.07	0.06	0.07	0.07	0.07	0.08
Other	0.06	0.06	0.01	0.01	0.02	0.03	0.03
Africa	**1.62**	**1.68**	**1.76**	**1.95**	**2.15**	**2.27**	**2.59**
Australia	2.12	1.83	1.91	2.01	2.06	2.10	2.20
China	10.15	10.68	11.11	10.85	11.22	12.60	12.92
India	1.57	1.70	1.93	2.08	2.06	2.09	2.24
Indonesia	NA	NA	0.01	*	0.01	0.01	0.01
Japan	0.57	0.51	0.59	0.45	0.45	0.47	0.43
Korea, North	1.03	1.07	1.01	1.03	1.03	1.03	1.09
Korea, South	0.29	0.32	0.37	0.33	0.34	0.36	0.36
Mongolia	NA	NA	0.03	0.03	0.03	0.04	0.04
New Zealand	NA	NA	0.05	0.05	0.05	0.05	0.04
Pakistan	NA	NA	0.02	0.02	0.02	0.02	0.02
Philippines	NA	NA	*	*	0.01	0.01	*
Thailand	NA	NA	*	0.01	*	*	0.01
Vietnam	NA	NA	0.11	0.13	0.13	0.14	0.13
Other	0.29	0.30	0.09	0.09	0.08	0.08	0.08
Asia-Pacific	**16.03**	**16.45**	**17.22**	**17.09**	**17.50**	**19.00**	**19.60**
Total World	**63.82**	**63.82**	**66.17**	**67.32**	**68.46**	**69.53**	**73.81**

Coal Production
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	0.85	0.93	0.98	1.02	1.34	1.42	1.36	1.44	1.66	1.66
Mexico	0.14	0.14	0.15	0.18	0.18	0.17	0.17	0.15	0.19	0.23
United States	18.60	18.38	18.64	17.25	19.72	19.33	19.51	20.14	20.74	21.33
North America	**19.59**	**19.45**	**19.77**	**18.45**	**21.23**	**20.92**	**21.04**	**21.72**	**22.59**	**23.23**
Brazil	0.19	0.13	0.14	0.15	0.16	0.18	0.17	0.17	0.15	0.14
Chile	0.02	0.03	0.02	0.03	0.03	0.04	0.04	0.04	0.06	0.05
Colombia	0.13	0.13	0.16	0.14	0.17	0.24	0.26	0.36	0.37	0.40
Other	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.04
Central & South America	**0.35**	**0.31**	**0.34**	**0.34**	**0.38**	**0.46**	**0.49**	**0.59**	**0.60**	**0.63**
Austria	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.04
Belgium	0.16	0.16	0.17	0.15	0.16	0.18	0.14	0.14	0.09	0.07
France	0.54	0.55	0.51	0.50	0.48	0.43	0.42	0.40	0.38	0.32
Germany, West	3.96	4.00	4.15	3.94	3.83	3.86	3.73	3.54	3.48	3.46
Greece	0.12	0.14	0.14	0.16	0.17	0.19	0.20	0.24	0.24	0.24
Italy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01
Norway	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.00
Spain	0.53	0.62	0.69	0.71	0.71	0.74	0.71	0.67	0.72	0.69
Turkey	0.24	0.26	0.31	0.42	0.49	0.55	0.66	0.66	0.55	0.58
United Kingdom	3.02	2.96	2.94	2.72	1.17	2.23	2.56	2.47	2.51	2.51
Yugoslavia	0.55	0.61	0.64	0.68	0.74	0.75	0.77	0.78	0.78	0.82
Other	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00
Western Europe	**9.20**	**9.37**	**9.63**	**9.35**	**7.82**	**9.01**	**9.27**	**8.97**	**8.81**	**8.74**
Albania	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04
Bulgaria	0.43	0.41	0.45	0.45	0.45	0.43	0.45	0.49	0.48	0.45
Czechoslovakia	1.85	1.84	1.87	1.88	1.91	1.88	1.87	1.83	1.83	1.85
Germany, East	2.17	2.25	2.32	2.36	2.50	2.63	2.62	2.53	2.61	2.57
Hungary	0.32	0.32	0.32	0.31	0.31	0.29	0.28	0.27	0.26	0.24
Poland	5.00	4.27	4.92	5.01	5.10	5.26	5.46	5.54	5.61	5.26
Romania	0.47	0.49	0.48	0.46	0.58	0.61	0.61	0.58	0.67	0.73
USSR	13.24	13.07	13.31	13.32	13.24	13.50	13.95	14.17	14.41	13.90
Eastern Europe & USSR	**23.50**	**22.67**	**23.71**	**23.82**	**24.11**	**24.62**	**25.27**	**25.44**	**25.90**	**25.02**
Iran	0.02	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02
Middle East	**0.02**	**0.01**	**0.02**	**0.02**	**0.02**	**0.02**	**0.03**	**0.03**	**0.03**	**0.02**

Coal Production
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Morocco	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Mozambique	0.01	0.01	0.02	0.01	0.01	0.01	*	*	*	0.00
South Africa	2.72	3.08	3.23	3.44	3.82	4.11	4.16	4.16	4.19	4.15
Zambia	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Zimbabwe	0.08	0.07	0.07	0.08	0.06	0.07	0.10	0.11	0.12	0.13
Other	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.03	0.00
Africa	**2.85**	**3.21**	**3.37**	**3.58**	**3.94**	**4.25**	**4.31**	**4.33**	**4.37**	**4.33**
Australia	2.15	2.43	2.65	2.77	2.78	3.44	3.68	4.16	3.94	4.00
China	12.65	12.64	13.58	14.57	16.09	17.33	17.74	18.86	19.57	19.67
India	2.41	2.80	3.00	3.21	3.41	3.51	3.85	3.65	3.65	3.70
Indonesia	0.01	0.01	0.01	0.02	0.03	0.05	0.06	0.07	0.07	0.07
Japan	0.44	0.43	0.43	0.41	0.40	0.39	0.39	0.31	0.27	0.24
Korea, North	1.14	1.14	1.19	1.14	1.16	1.22	1.24	1.32	1.33	1.36
Korea, South	0.37	0.40	0.36	0.38	0.41	0.47	0.50	0.44	0.44	0.45
Mongolia	0.04	0.05	0.05	0.06	0.06	0.07	0.06	0.08	0.08	0.07
New Zealand	0.05	0.05	0.05	0.04	0.06	0.05	0.05	0.05	0.05	0.06
Pakistan	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05
Philippines	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.02
Thailand	0.01	0.02	0.01	0.02	0.02	0.05	0.05	0.08	0.06	0.06
Vietnam	0.15	0.15	0.14	0.15	0.13	0.13	0.14	0.14	0.14	0.14
Other	0.07	0.07	0.08	0.06	0.06	0.06	0.05	0.04	0.05	0.05
Asia-Pacific	**19.52**	**20.21**	**21.59**	**22.88**	**24.68**	**26.83**	**27.88**	**29.28**	**29.74**	**29.93**
Total World	**75.02**	**75.22**	**78.43**	**78.45**	**82.16**	**86.10**	**88.28**	**90.36**	**92.04**	**91.90**

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Net Hydroelectric Power Generation
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Canada	2.01	2.19	2.10	2.21	2.29	2.43	2.53
Mexico	0.17	0.17	0.16	0.18	0.20	0.17	0.19
United States	2.86	3.18	3.16	2.98	2.33	2.94	2.93
North America	**5.04**	**5.54**	**5.42**	**5.37**	**4.82**	**5.54**	**5.65**
Argentina	0.03	0.05	0.05	0.05	0.06	0.08	0.11
Brazil	0.61	0.68	0.77	0.86	0.97	1.07	1.20
Chile	0.05	0.06	0.06	0.06	0.07	0.07	0.07
Colombia	0.08	0.09	0.10	0.11	0.11	0.13	0.14
Peru	0.05	0.05	0.06	0.06	0.06	0.06	0.07
Uruguay	NA	NA	0.01	0.01	0.02	0.02	0.01
Venezuela	0.06	0.07	0.09	0.11	0.12	0.13	0.14
Other	0.08	0.09	0.07	0.08	0.08	0.09	0.10
Central & South America	**0.96**	**1.10**	**1.22**	**1.34**	**1.49**	**1.64**	**1.84**
Austria	0.20	0.23	0.24	0.21	0.26	0.26	0.29
Finland	0.11	0.13	0.13	0.10	0.12	0.10	0.11
France	0.49	0.59	0.62	0.51	0.79	0.71	0.70
Germany, West	0.16	0.18	0.18	0.14	0.18	0.19	0.19
Ireland	NA	NA	0.01	0.01	0.01	0.01	0.01
Italy	0.40	0.41	0.44	0.42	0.55	0.49	0.50
Norway	0.75	0.79	0.80	0.84	0.74	0.83	0.92
Portugal	NA	NA	0.07	0.05	0.10	0.11	0.12
Spain	0.30	0.32	0.27	0.23	0.42	0.43	0.49
Sweden	0.62	0.59	0.59	0.56	0.55	0.59	0.63
Switzerland	0.30	0.30	0.35	0.28	0.38	0.34	0.34
Turkey	NA	NA	0.06	0.09	0.09	0.10	0.11
United Kingdom	0.05	0.05	0.05	0.05	0.05	0.05	0.06
Yugoslavia	0.17	0.21	0.20	0.21	0.25	0.26	0.27
Other	0.17	0.19	0.05	0.05	0.05	0.07	0.08
Western Europe	**3.72**	**4.00**	**4.06**	**3.76**	**4.55**	**4.54**	**4.80**
Czechoslovakia	0.02	0.04	0.04	0.04	0.05	0.04	0.04
Poland	NA	NA	0.02	0.02	0.02	0.02	0.03
Romania	0.08	0.09	0.09	0.08	0.10	0.11	0.12
USSR	1.26	1.36	1.30	1.40	1.51	1.75	1.77
Other	0.06	0.07	0.06	0.06	0.07	0.06	0.07
Eastern Europe & USSR	**1.43**	**1.56**	**1.50**	**1.60**	**1.75**	**1.99**	**2.02**
Iran	NA	NA	0.04	0.04	0.04	0.04	0.04
Syria	NA	NA	0.01	0.01	0.02	0.02	0.02
Other	NA	NA	0.01	0.01	0.01	0.02	0.02
Middle East	**NA**	**NA**	**0.05**	**0.07**	**0.07**	**0.08**	**0.08**

Net Hydroelectric Power Generation
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Egypt	0.05	0.06	0.07	0.08	0.09	0.10	0.10
Zaire	0.04	0.03	0.04	0.04	0.04	0.04	0.04
Zambia	0.05	0.06	0.06	0.07	0.09	0.08	0.09
Zimbabwe	0.06	0.05	0.06	0.05	0.04	0.04	0.04
Other	0.15	0.15	0.16	0.19	0.23	0.25	0.31
Africa	**0.35**	**0.37**	**0.39**	**0.44**	**0.49**	**0.51**	**0.58**
Australia	0.12	0.14	0.16	0.16	0.14	0.15	0.17
China	0.39	0.44	0.46	0.53	0.49	0.46	0.52
India	0.30	0.29	0.34	0.36	0.39	0.49	0.47
Japan	0.74	0.87	0.88	0.91	0.79	0.77	0.88
Korea, North	0.13	0.14	0.17	0.18	0.18	0.20	0.21
Korea, South	NA	NA	0.02	0.02	0.01	0.02	0.02
New Zealand	0.15	0.15	0.17	0.15	0.15	0.17	0.16
Pakistan	0.05	0.05	0.05	0.06	0.06	0.06	0.09
Philippines	0.02	0.02	0.02	0.03	0.02	0.03	0.03
Thailand	0.02	0.03	0.03	0.04	0.03	0.02	0.03
Other	0.05	0.07	0.07	0.07	0.12	0.14	0.15
Asia-Pacific	**2.01**	**2.24**	**2.39**	**2.50**	**2.39**	**2.51**	**2.72**
Total World	**13.52**	**14.83**	**15.03**	**15.08**	**15.56**	**16.80**	**17.69**

Net Hydroelectric Power Generation
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	2.61	2.74	2.65	2.74	2.95	3.13	3.20	3.26	3.16	2.99
Mexico	0.17	0.25	0.24	0.21	0.24	0.27	0.21	0.19	0.20	0.20
United States	2.90	2.76	3.27	3.53	3.35	2.94	3.02	2.59	2.31	2.75
North America	**5.68**	**5.75**	**6.16**	**6.48**	**6.54**	**6.34**	**6.42**	**6.04**	**5.67**	**5.94**
Argentina	0.16	0.15	0.18	0.19	0.21	0.21	0.22	0.23	0.16	0.16
Brazil	1.34	1.35	1.45	1.56	1.71	1.84	1.88	2.05	2.20	2.20
Chile	0.08	0.08	0.09	0.09	0.10	0.11	0.12	0.13	0.12	0.12
Colombia	0.15	0.15	0.19	0.19	0.21	0.22	0.26	0.26	0.30	0.30
Peru	0.07	0.08	0.09	0.08	0.09	0.10	0.10	0.11	0.11	0.08
Uruguay	0.02	0.03	0.03	0.07	0.07	0.07	0.08	0.07	0.06	0.05
Venezuela	0.15	0.16	0.16	0.19	0.20	0.22	0.26	0.28	0.31	0.31
Other	0.11	0.11	0.11	0.13	0.15	0.17	0.18	0.19	0.20	0.20
Central & South America	**2.07**	**2.10**	**2.30**	**2.50**	**2.74**	**2.93**	**3.10**	**3.32**	**3.48**	**3.43**
Austria	0.30	0.32	0.32	0.31	0.30	0.32	0.32	0.38	0.37	0.39
Finland	0.11	0.14	0.13	0.14	0.14	0.13	0.13	0.14	0.14	0.13
France	0.73	0.76	0.74	0.74	0.70	0.66	0.67	0.75	0.81	0.52
Germany, West	0.18	0.21	0.20	0.20	0.19	0.18	0.19	0.21	0.22	0.21
Ireland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Italy	0.49	0.47	0.46	0.45	0.47	0.46	0.46	0.44	0.45	0.42
Norway	0.87	0.97	0.97	1.10	1.11	1.07	1.01	1.07	1.13	1.22
Portugal	0.08	0.05	0.07	0.08	0.10	0.11	0.09	0.09	0.13	0.06
Spain	0.32	0.24	0.28	0.30	0.35	0.34	0.28	0.29	0.37	0.21
Sweden	0.60	0.61	0.56	0.65	0.70	0.73	0.62	0.74	0.72	0.74
Switzerland	0.35	0.37	0.38	0.37	0.32	0.34	0.35	0.36	0.38	0.32
Turkey	0.12	0.13	0.15	0.12	0.14	0.12	0.12	0.19	0.30	0.19
United Kingdom	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04
Yugoslavia	0.29	0.26	0.24	0.22	0.27	0.25	0.29	0.27	0.27	0.25
Other	0.08	0.09	0.09	0.08	0.09	0.09	0.10	0.09	0.09	0.09
Western Europe	**4.57**	**4.67**	**4.66**	**4.82**	**4.90**	**4.85**	**4.67**	**5.07**	**5.43**	**4.80**
Czechoslovakia	0.05	0.04	0.04	0.04	0.03	0.04	0.04	0.05	0.05	0.05
Poland	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05
Romania	0.13	0.13	0.12	0.10	0.12	0.12	0.11	0.12	0.11	0.11
USSR	1.91	1.92	1.82	1.87	2.11	2.13	2.22	2.26	2.36	2.31
Other	0.09	0.09	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.07
Eastern Europe & USSR	**2.21**	**2.22**	**2.09**	**2.14**	**2.38**	**2.42**	**2.49**	**2.55**	**2.64**	**2.58**
Iran	0.06	0.06	0.07	0.06	0.07	0.07	0.06	0.07	0.07	0.07
Syria	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Other	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Middle East	**0.10**	**0.11**	**0.11**	**0.10**	**0.10**	**0.10**	**0.09**	**0.10**	**0.10**	**0.10**

Net Hydroelectric Power Generation
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Egypt	0.10	0.11	0.11	0.10	0.10	0.08	0.08	0.06	0.06	0.06
Zaire	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Zambia	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09
Zimbabwe	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03
Other	0.35	0.25	0.25	0.23	0.18	0.20	0.21	0.22	0.22	0.23
Africa	**0.63**	**0.55**	**0.54**	**0.52**	**0.46**	**0.47**	**0.48**	**0.45**	**0.45**	**0.46**
Australia	0.14	0.15	0.14	0.13	0.13	0.14	0.15	0.14	0.16	0.15
China	0.61	0.68	0.77	0.90	0.90	0.96	0.98	1.04	1.10	1.10
India	0.48	0.52	0.50	0.52	0.56	0.53	0.55	0.49	0.53	0.58
Japan	0.95	0.83	0.77	0.85	0.68	0.81	0.89	0.80	0.87	0.87
Korea, North	0.23	0.24	0.26	0.27	0.28	0.29	0.30	0.30	0.32	0.32
Korea, South	0.02	0.03	0.02	0.03	0.02	0.04	0.04	0.05	0.04	0.05
New Zealand	0.20	0.20	0.19	0.20	0.21	0.20	0.23	0.23	0.23	0.23
Pakistan	0.09	0.09	0.10	0.12	0.13	0.13	0.14	0.16	0.17	0.19
Philippines	0.04	0.04	0.04	0.03	0.05	0.06	0.06	0.05	0.06	0.06
Thailand	0.01	0.03	0.04	0.04	0.04	0.04	0.06	0.04	0.04	0.04
Other	0.14	0.18	0.18	0.20	0.23	0.27	0.29	0.30	0.31	0.32
Asia-Pacific	**2.92**	**2.99**	**3.02**	**3.28**	**3.24**	**3.48**	**3.69**	**3.61**	**3.84**	**3.92**
Total World	**18.18**	**18.38**	**18.86**	**19.84**	**20.37**	**20.56**	**20.95**	**21.14**	**21.59**	**21.23**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Net Nuclear Electric Power Generation
Quadrillion BTU

	1973	1974	1975	1976	1977	1978	1979
Canada	0.20	0.17	0.15	0.20	0.27	0.32	0.37
United States	0.91	1.27	1.90	2.11	2.70	3.02	2.78
North America	**1.11**	**1.44**	**2.05**	**2.31**	**2.98**	**3.35**	**3.14**
Argentina	0.00	0.01	0.03	0.03	0.02	0.03	0.03
Brazil	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Central & South America	**0.00**	**0.01**	**0.03**	**0.03**	**0.02**	**0.03**	**0.03**
Belgium	0.00	*	0.07	0.10	0.12	0.12	0.11
Finland	0.00	0.00	0.00	0.00	0.03	0.03	0.07
France	0.15	0.18	0.22	0.19	0.21	0.35	0.44
Germany, West	0.12	0.12	0.22	0.25	0.36	0.36	0.42
Italy	0.04	0.04	0.05	0.05	0.04	0.05	0.03
Netherlands	0.01	0.03	0.03	0.04	0.04	0.04	0.03
Spain	0.07	0.08	0.08	0.08	0.07	0.08	0.07
Sweden	0.02	0.02	0.12	0.16	0.19	0.23	0.21
Switzerland	0.06	0.07	0.08	0.08	0.08	0.08	0.12
United Kingdom	0.35	0.43	0.39	0.46	0.47	0.45	0.47
Yugoslavia	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Western Europe	**0.82**	**0.97**	**1.25**	**1.39**	**1.61**	**1.80**	**1.98**
Bulgaria	0.00	0.01	0.03	0.05	0.06	0.06	0.06
Czechoslovakia	*	0.01	*	0.01	*	*	0.02
Germany, East	*	0.02	0.03	0.06	0.05	0.07	0.10
Hungary	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USSR	0.12	0.19	0.21	0.26	0.36	0.47	0.58
Eastern Europe & USSR	**0.13**	**0.23**	**0.27**	**0.38**	**0.48**	**0.60**	**0.77**
Middle East	**NA**	**NA**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
South Africa	NA	NA	0.00	0.00	0.00	0.00	0.00
Africa	**NA**	**NA**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
India	0.02	0.03	0.03	0.03	0.03	0.02	0.03
Japan	0.10	0.19	0.23	0.38	0.29	0.55	0.63
Korea, South	0.00	0.00	0.00	0.00	*	0.02	0.03
Pakistan	0.01	0.01	0.01	0.01	*	*	*
Taiwan	0.00	0.00	0.00	0.00	*	0.03	0.06
Asia-Pacific	**0.13**	**0.22**	**0.26**	**0.42**	**0.32**	**0.62**	**0.76**
Total World	**2.19**	**2.87**	**3.86**	**4.52**	**5.40**	**6.41**	**6.67**

Net Nuclear Electric Power Generation
Quadrillion BTU

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	0.42	0.44	0.42	0.54	0.57	0.66	0.78	0.84	0.90	0.87
United States	2.74	3.01	3.13	3.20	3.55	4.15	4.47	4.91	5.66	5.69
North America	3.16	3.45	3.55	3.74	4.12	4.81	5.25	5.75	6.56	6.56
Argentina	0.03	0.03	0.02	0.04	0.05	0.06	0.06	0.07	0.07	0.06
Brazil	0.00	0.00	*	*	0.03	0.03	*	0.01	*	0.02
Central & South America	0.03	0.03	0.02	0.04	0.08	0.09	0.06	0.08	0.07	0.07
Belgium	0.12	0.13	0.15	0.24	0.28	0.34	0.39	0.41	0.42	0.40
Finland	0.07	0.14	0.16	0.17	0.18	0.19	0.19	0.19	0.19	0.19
France	0.72	1.02	1.06	1.40	1.87	2.15	2.43	2.53	2.64	2.91
Germany, West	0.46	0.56	0.67	0.69	0.97	1.31	1.24	1.36	1.51	1.47
Italy	0.03	0.03	0.08	0.07	0.08	0.08	0.10	*	0.00	0.00
Netherlands	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Spain	0.06	0.11	0.10	0.12	0.25	0.30	0.40	0.44	0.52	0.57
Sweden	0.26	0.36	0.37	0.39	0.49	0.56	0.67	0.64	0.66	0.62
Switzerland	0.14	0.14	0.14	0.15	0.17	0.21	0.21	0.22	0.23	0.23
United Kingdom	0.42	0.43	0.50	0.57	0.58	0.64	0.62	0.57	0.66	0.81
Yugoslavia	0.00	*	0.03	0.04	0.05	0.05	0.05	0.05	0.04	0.04
Western Europe	2.31	2.96	3.30	3.88	4.96	5.86	6.34	6.46	6.91	7.27
Bulgaria	0.06	0.09	0.11	0.13	0.13	0.14	0.13	0.13	0.17	0.17
Czechoslovakia	0.06	0.06	0.07	0.08	0.09	0.15	0.22	0.26	0.27	0.27
Germany, East	0.13	0.13	0.12	0.13	0.13	0.14	0.12	0.12	0.12	0.12
Hungary	0.00	0.00	*	0.03	0.04	0.07	0.08	0.12	0.14	0.15
USSR	0.83	0.73	1.12	1.25	1.61	1.93	1.72	2.00	2.32	2.30
Eastern Europe & USSR	1.08	1.01	1.42	1.61	2.01	2.43	2.27	2.63	3.02	3.01
Middle East	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Africa	0.00	0.00	0.00	0.00	0.04	0.06	0.09	0.06	0.11	0.11
Africa	0.00	0.00	0.00	0.00	0.04	0.06	0.09	0.06	0.11	0.11
India	0.03	0.03	0.02	0.04	0.04	0.05	0.06	0.06	0.06	0.04
Japan	0.85	0.89	1.02	1.13	1.36	1.59	1.69	2.01	1.85	1.86
Korea, South	0.03	0.03	0.04	0.09	0.12	0.16	0.28	0.39	0.39	0.47
Pakistan	*	*	*	*	*	*	*	0.01	*	*
Taiwan	0.08	0.11	0.13	0.19	0.24	0.28	0.26	0.33	0.30	0.27
Asia-Pacific	0.99	1.06	1.21	1.45	1.77	2.10	2.29	2.78	2.61	2.64
Total World	7.56	8.51	9.50	10.71	12.98	15.35	16.31	17.76	19.28	19.66

* Denotes less than 5 trillion Btu.

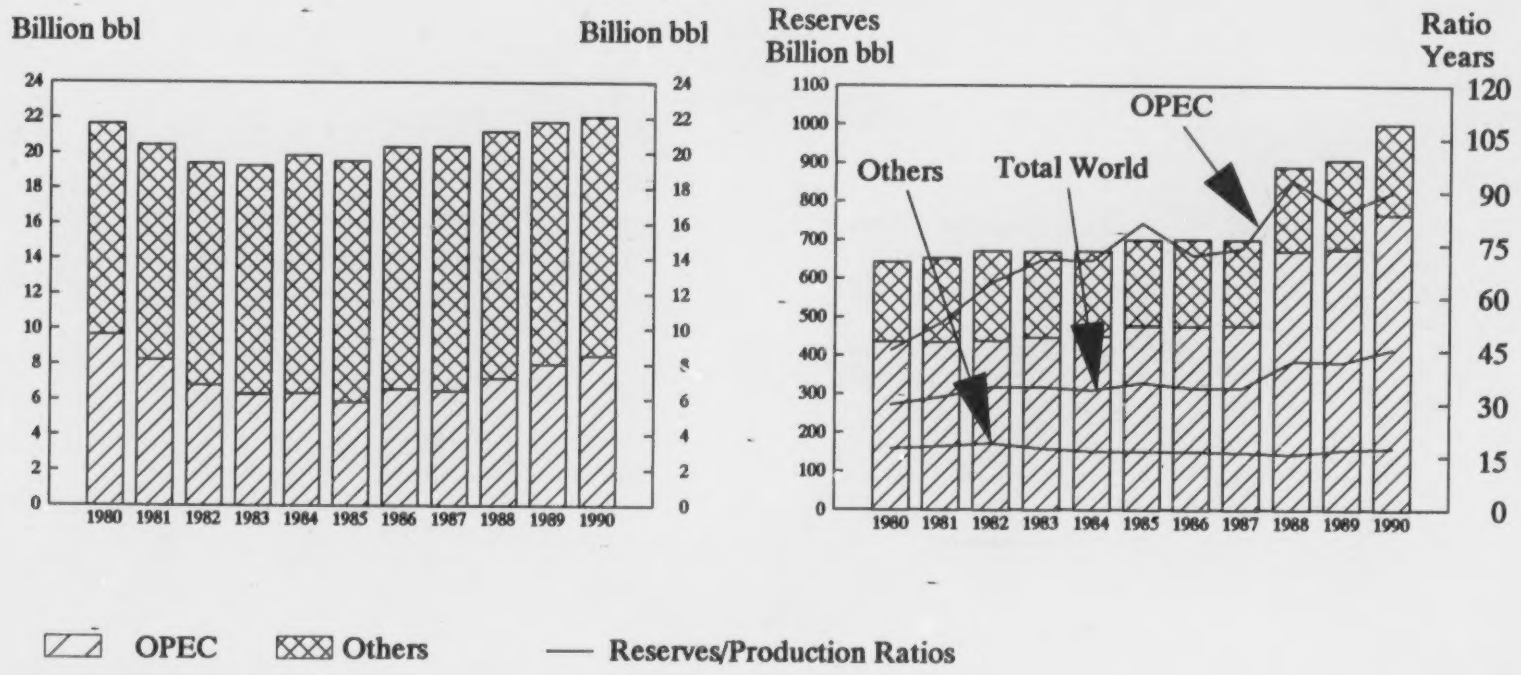
Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Petroleum Industry Capital Spending
US Million Dollars

	1986	1987	1988	1989	1990	1991
United States & Canada:						
Crude Oil & Natural Gas	29,150	23,940	28,320	24,920	26,650	31,300
NGL Plants	510	740	790	840	870	900
Refineries	2,950	3,050	3,490	3,690	4,900	6,370
Total	32,610	27,730	32,600	29,450	32,420	38,570
Mexico & Central & South America:						
Crude Oil & Natural Gas	6,930	6,180	6,125	4,695	4,510	4,900
Refineries	2,260	1,580	1,500	1,500	1,700	1,900
Total	9,190	7,760	7,625	6,195	6,210	6,800
Western Europe:						
Crude Oil & Natural Gas	11,550	12,030	13,115	11,540	11,900	13,500
Refineries	1,480	2,730	2,500	2,700	2,700	2,750
Total	13,030	14,760	15,615	14,240	14,600	16,250
Middle East & Africa:						
Crude Oil & Natural Gas	3,160	2,770	2,915	2,790	2,970	3,000
Refineries	940	1,020	1,000	1,000	1,000	1,200
Total	4,100	3,790	3,915	3,790	3,970	4,200
Asia-Pacific:						
Crude Oil & Natural Gas	3,680	2,100	2,295	2,305	2,330	2,500
Refineries	1,860	2,040	2,000	2,050	2,100	2,150
LNG Plants	1,230	1,380	1,300	1,300	1,400	1,500
Total	6,770	5,520	5,595	5,655	5,830	6,150
Industry Segment:						
Crude Oil & Natural Gas	54,470	47,020	52,770	46,250	48,360	55,200
NGL Plants	510	740	790	840	870	900
Refineries	9,490	10,420	10,490	10,940	12,400	14,370
LNG Plants	1,230	1,380	1,300	1,300	1,400	1,500
Tankers	1,580	1,510	1,500	1,700	2,000	2,500
Total	67,280	61,070	66,850	61,030	65,030	74,470

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Crude Oil Production and Reserves



Production

Reserves and Reserves/Production Ratios

Source: OGJ

Crude Oil Reserves
Beginning of Year
Million Barrels

	1952	1953	1954	1955	1956	1957	1958	1959
Canada	1,600	1,800	1,950	2,850	2,208	3,500	4,000	4,000
Mexico	1,424	1,525	1,725	1,750	1,900	2,500	2,750	2,500
United States	27,468	27,961	28,945	29,561	30,012	30,435	30,300	30,536
North America	**30,492**	**31,286**	**32,620**	**34,161**	**34,120**	**36,435**	**37,050**	**37,036**
Argentina	340	330	325	410	400	400	750	1,000
Bolivia	40	40	12	45	50	70	70	90
Brazil	35	45	50	60	27	40	140	250
Chile	35	45	55	55	25	25	40	50
Colombia	450	470	550	570	580	650	650	700
Cuba	4	4	2	3	3	4	4	3
Ecuador	25	25	28	28	25	25	25	25
Peru	250	250	250	225	225	275	275	325
Trinidad & Tobago	240	250	285	280	280	285	300	400
Venezuela	9,031	8,900	9,900	10,930	12,000	13,200	16,000	16,500
Central & S. America	**10,450**	**10,359**	**11,457**	**12,606**	**13,615**	**14,974**	**18,254**	**19,343**
Austria	150	160	NA	NA	400	395	350	300
France	25	30	32	100	120	150	150	175
Germany	185	200	300	435	495	454	450	420
Italy	3	5	6	90	110	150	200	300
Netherlands	75	75	100	90	95	115	115	200
Turkey	20	35	80	65	65	65	65	70
United Kingdom	3	3	4	4	5	5	7	7
Western Europe	**461**	**508**	**522**	**784**	**1,290**	**1,334**	**1,337**	**1,472**
Yugoslavia	NA	NA	NA	NA	36	36	32	35
Other #	7,917	9,408	9,740	10,387	10,833	25,000	26,200	27,705
E. Europe & USSR #	**7,917**	**9,408**	**9,740**	**10,387**	**10,869**	**25,036**	**26,232**	**27,740**
Abu Dhabi	NA	NA	NA	NA	NA	NA	NA	100
Bahrain	300	290	280	215	205	205	200	230
Iran	15,000	15,000	15,000	15,000	27,000	30,000	32,000	33,000
Iraq	10,000	12,000	13,000	14,250	20,000	22,000	25,000	25,000
Israel	NA	NA	NA	NA	1	50	50	50
Kuwait	15,000	20,000	20,000	30,000	40,000	50,000	60,000	60,000
Neutral Zone	NA	NA	300	429	500	650	5,000	6,000
Qatar	1,200	1,500	1,500	1,500	1,500	1,500	1,750	2,500
Saudi Arabia	12,000	16,000	28,000	36,000	37,000	40,000	45,000	47,000
Syria	NA	NA	NA	NA	NA	NA	1	1
Middle East	**53,500**	**64,790**	**78,080**	**97,394**	**126,206**	**144,405**	**169,001**	**173,881**

Crude Oil Reserves
Beginning of Year
Million Barrels

	1952	1953	1954	1955	1956	1957	1958	1959
Algeria	NA	NA	5	5	5	15	500	3,500
Angola	NA	NA	NA	NA	NA	NA	NA	25
Congo	NA	NA	NA	NA	NA	NA	NA	10
Egypt	170	155	140	92	150	250	275	400
Gabon	NA	NA	NA	NA	NA	NA	NA	100
Libya	NA	NA	NA	NA	NA	NA	NA	50
Morocco	5	8	13	15	14	10	9	9
Nigeria	NA	NA	NA	NA	NA	10	30	25
Africa	**175**	**163**	**158**	**112**	**169**	**285**	**814**	**4,119**
Australia	NA	NA	NA	1	1	1	1	1
Brunei	+ 500	+ 500	+ 500	+ 525	+ 500	+ 600	+ 550	+ 500
China, Taiwan	NA	NA	NA	NA	NA	NA	NA	1
India	25	25	30	50	60	400	400	500
Indonesia	1,250	1,300	1,900	1,900	2,300	5,000	7,500	8,500
Japan	20	25	28	52	22	22	25	50
Malaysia	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
Myanmar (Burma)	140	140	50	45	45	45	45	45
Pakistan	20	22	25	20	22	22	22	20
Papua, New Guinea	30	50	50	115	50	50	35	30
Asia-Pacific	**1,985**	**2,062**	**2,583**	**2,708**	**3,000**	**6,140**	**8,578**	**9,647**
Total World	**104,979**	**118,575**	**135,159**	**158,152**	**189,269**	**228,609**	**261,266**	**273,237**

Crude Oil Reserves
Beginning of Year
Million Barrels

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Canada	4,590	5,000	5,000	4,600	5,675	5,281	7,500	8,250	8,792	9,900
Mexico	2,500	2,250	2,500	2,500	2,500	2,800	2,500	2,500	2,600	5,500
United States	31,719	31,613	31,759	31,389	30,970	30,991	31,352	31,452	31,377	30,707
North America	**38,809**	**38,863**	**39,259**	**38,489**	**39,145**	**39,072**	**41,352**	**42,202**	**42,768**	**46,107**
Argentina	2,000	2,200	2,400	2,400	2,300	2,000	1,900	2,905	2,905	3,100
Barbados	NA	NA	NA	NA	NA	NA	NA	1	1	1
Bolivia	94	95	125	125	200	400	400	500	600	585
Brazil	250	300	325	300	300	900	500	1,000	700	850
Chile	65	110	150	150	200	225	200	175	150	136
Colombia	750	750	750	850	900	1,200	1,500	1,700	2,000	1,700
Cuba	3	2	1	1	NA	NA	NA	*	*	*
Ecuador	24	30	30	25	25	25	20	18	25	325
Honduras	NA	NA	NA	NA	NA	1	1	1	1	1
Peru	325	375	400	375	380	425	400	400	500	475
Trinidad & Tobago	425	450	475	500	500	550	500	500	425	610
Venezuela	18,000	18,500	17,550	17,000	17,000	17,000	17,250	17,400	17,000	15,500
Central & S. America	**21,936**	**22,812**	**22,206**	**21,726**	**21,805**	**22,725**	**22,671**	**24,600**	**24,307**	**23,283**
Austria	250	275	260	240	240	275	260	209	201	200
France	200	225	225	225	235	235	230	210	205	185
Germany	500	500	500	550	650	650	640	586	710	720
Italy	300	320	320	320	300	325	320	306	300	275
Netherlands	200	250	250	250	250	300	350	334	331	300
Spain	NA	NA	NA	NA	NA	NA	10	10	10	14
Turkey	70	75	75	100	350	700	500	1,000	750	700
United Kingdom	6	5	6	6	1	1	10	9	10	8
Western Europe	**1,526**	**1,650**	**1,636**	**1,691**	**2,026**	**2,486**	**2,320**	**2,665**	**2,517**	**2,402**
Yugoslavia	40	147	175	200	250	250	265	260	250	235
Other #	30,137	33,502	34,252	329,976	29,500	30,750	33,485	33,838	35,773	55,877
E. Europe & USSR #	**30,177**	**33,649**	**34,427**	**330,176**	**29,750**	**31,000**	**33,750**	**34,098**	**36,023**	**56,112**
Abu Dhabi	100	250	3,500	5,000	7,500	7,700	10,000	12,500	15,000	18,000
Bahrain	225	250	245	245	243	250	230	200	195	170
Dubai	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,000
Iran	35,000	35,000	35,000	37,000	37,000	38,000	40,000	44,200	43,800	54,000
Iraq	25,000	27,000	26,500	26,000	25,500	25,000	25,000	24,000	23,500	28,000
Israel	40	35	34	30	25	30	30	15	14	15
Kuwait	62,000	62,000	62,000	63,000	63,500	63,000	62,500	68,700	70,000	69,000
Neutral Zone	6,500	6,000	6,000	7,500	10,000	12,500	12,400	13,000	13,500	15,000
Oman	NA	NA	NA	NA	NA	500	500	500	2,500	2,500
Qatar	2,500	2,500	2,750	3,000	2,950	3,500	3,000	4,000	3,750	3,875
Saudi Arabia	50,000	50,000	52,000	52,000	60,000	60,500	60,000	66,000	74,700	77,000
Syria	1	50	100	100	300	500	1,200	1,500	1,500	1,500
Middle East	**181,366**	**183,085**	**188,129**	**193,875**	**207,018**	**211,480**	**214,860**	**234,615**	**248,459**	**270,060**

Crude Oil Reserves
Beginning of Year
Million Barrels

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Algeria	5,000	5,200	5,500	6,500	7,000	7,500	7,400	7,250	6,900	7,000
Angola	25	30	30	50	200	200	150	140	500	500
Benin	NA	NA	NA	NA	NA	NA	NA	NA	NA	20
Congo	10	10	10	10	10	10	9	8	8	7
Egypt	500	550	710	720	1,500	1,500	2,000	944	1,400	2,100
Gabon	150	150	150	150	150	170	175	200	350	465
Libya	1,500	2,000	3,000	4,500	7,000	9,000	10,000	20,000	29,200	30,000
Morocco	9	10	10	15	15	15	15	13	12	8
Nigeria	80	150	300	400	500	1,000	3,000	3,500	3,550	4,000
Senegal	NA	NA	NA	1	1	1	NA	NA	NA	NA
Tunisia	NA	NA	NA	NA	NA	*	300	300	365	468
Zaire	NA	NA	NA	NA	NA	NA	1	1	1	1
Africa	**7,274**	**8,100**	**9,710**	**12,346**	**16,376**	**19,398**	**23,049**	**32,356**	**42,285**	**44,569**
Afghanistan	NA	NA	NA	NA	NA	NA	NA	100	110	100
Australia	1	1	2	50	150	50	60	608	440	2,500
Brunei	+ 500	+ 500	+ 715	+ 650	+ 600	+ 707.5	+ 500	+ 470	+ 500	+ 600
China, Taiwan	1	1	1	*	*	*	1	1	1	19
India	525	750	500	500	750	750	800	1,400	1,638	1,500
Indonesia	9,000	9,500	9,500	10,000	10,000	10,000	9,500	9,100	9,000	8,850
Japan	50	60	60	50	50	50	45	36	36	35
Malaysia	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
Myanmar (Burma)	45	45	45	40	35	30	40	36	35	40
New Zealand	NA	NA	NA	NA	0	0	26	26	26	26
Pakistan	25	25	25	25	25	25	36	32	30	50
Papua, New Guinea	28	25	20	15	10	NA	NA	NA	NA	NA
Philippines	1	NA	0	1	1	1	1	NA	NA	NA
Thailand	NA	NA	NA	*	*	*	*	*	*	*
Asia-Pacific	**10,176**	**10,907**	**10,868**	**11,331**	**11,621**	**11,614**	**11,009**	**11,808**	**11,816**	**13,720**
Total World	**291,263**	**299,065**	**306,234**	**609,633**	**327,740**	**337,771**	**349,011**	**382,344**	**408,176**	**456,253**

Crude Oil Reserves
Beginning of Year
Million Barrels

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Canada	8,782	10,750	8,448	10,200	9,424	9,400	7,100	6,200	6,000	6,000
Mexico	6,000	3,200	4,500	2,800	3,600	13,582	9,500	7,000	14,000	16,000
United States	29,632	39,001	38,063	36,339	35,300	34,250	32,682	30,942	29,486	27,804
North America	**44,414**	**52,951**	**51,011**	**49,339**	**48,324**	**57,232**	**49,282**	**44,142**	**49,486**	**49,804**
Argentina	4,000	4,500	2,500	4,900	2,500	2,346	2,465	2,300	2,503	2,400
Barbados	1	1	1	1	*	25	21	4	1	1
Bolivia	251	225	217	200	260	250	235	240	350	250
Brazil	882	850	1,000	857	799	775	780	800	880	1,200
Chile	130	125	120	125	124	200	190	182	440	400
Colombia	1,750	1,675	1,663	1,500	1,432	900	557	825	960	750
Cuba	*	14	10	9	*	NA	NA	NA	NA	NA
Ecuador	500	750	5,748	5,750	5,675	2,500	2,450	1,700	1,640	1,170
Guatemala	NA	NA	NA	10	0	0	0	21	16	16
Honduras	1	1	NA	NA	NA	NA	NA	NA	NA	NA
Peru	315	270	400	750	1,050	2,500	770	747	730	560
Trinidad & Tobago	600	575	1,500	2,000	2,200	2,500	700	520	650	500
Venezuela	14,750	14,000	13,900	13,700	14,000	15,000	17,700	15,270	18,200	18,000
Central & S. America	**23,180**	**22,985**	**27,059**	**29,802**	**28,040**	**26,996**	**25,868**	**22,609**	**26,370**	**25,247**
Austria	147	180	185	175	157	182	167	160	155	150
Denmark	NA	NA	250	250	249	247	245	300	50	300
France	150	125	92	81	80	142	88	50	43	56
Germany	700	584	591	551	544	550	373	333	320	310
Greece	NA	NA	NA	NA	NA	NA	40	40	25	150
Italy	250	225	224	220	212	750	700	315	600	650
Netherlands	275	261	260	250	251	250	250	91	80	70
Norway	0	1,000	7,000	2,000	4,000	7,300	7,000	5,660	6,000	5,900
Spain	10	9	305	55	60	293	250	440	265	80
Turkey	650	645	580	550	450	500	107	390	370	360
United Kingdom	7	1,000	5,000	5,000	10,000	15,700	16,000	16,800	19,000	16,000
Western Europe	**2,189**	**4,029**	**14,487**	**9,132**	**16,003**	**25,914**	**25,220**	**24,579**	**26,908**	**24,026**
USSR	NA	NA	NA	NA	NA	NA	NA	78,100	75,000	71,000
Yugoslavia	240	325	315	3,500	438	400	375	350	325	300
Other #	60,000	100,000	98,500	98,000	103,000	111,400	103,000	3,000	3,000	3,000
E. Europe & USSR #	**60,240**	**100,325**	**98,815**	**101,500**	**103,438**	**111,800**	**103,375**	**81,450**	**78,325**	**74,300**
Abu Dhabi	16,000	11,800	18,948	20,768	21,500	30,000	29,500	29,000	31,000	30,000
Bahrain	343	634	631	375	360	336	312	290	270	250
Dubai	1,000	983	1,554	2,000	2,500	2,420	1,350	1,500	1,400	1,300
Iran	55,000	70,000	55,500	65,000	60,000	66,000	64,500	63,000	62,000	59,000
Iraq	27,500	32,000	35,990	29,000	31,500	35,000	34,300	34,000	34,500	32,100
Israel	13	13	10	9	3	2	1	1	1	10
Kuwait	68,000	67,100	66,023	64,900	64,000	72,800	68,000	67,400	67,000	66,200
Neutral Zone	13,000	25,700	24,350	16,000	17,500	17,300	6,400	6,300	6,200	6,480
Oman	5,000	1,700	5,200	5,000	5,250	6,000	5,900	5,800	5,650	2,500
Qatar	5,500	4,300	6,000	7,000	6,500	6,000	5,850	5,700	5,600	4,000
Saudi Arabia	140,000	128,500	145,300	138,000	132,000	164,500	148,600	151,400	150,000	165,700
Sharjah	NA	NA	NA	NA	1,500	1,500	1,350	700	25	16
Syria	1,500	1,200	7,300	7,250	7,100	1,500	2,240	2,200	2,150	2,080
Middle East	**332,856**	**343,930**	**366,806**	**355,302**	**349,713**	**403,358**	**368,303**	**367,291**	**365,796**	**369,836**

Crude Oil Reserves
Beginning of Year
Million Barrels

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Algeria	8,000	30,000	12,250	47,000	7,640	7,700	7,370	6,800	6,600	6,300
Angola	645	500	803	1,200	1,500	1,175	1,300	1,210	1,160	1,115
Benin	20	1	1	1	NA	NA	NA	NA	NA	NA
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	60	50
Congo	6	4	3,300	5,000	4,888	4,874	2,450	285	360	315
Egypt	5,000	4,500	4,000	5,200	5,125	3,700	3,900	1,950	2,450	3,200
Gabon	500	700	750	1,100	1,500	1,750	2,200	2,125	2,050	1,970
Ghana	NA	1	1	NA	NA	NA	NA	NA	NA	NA
Libya	35,000	29,200	25,000	30,400	25,500	26,600	26,100	25,500	25,000	24,300
Morocco	8	1	1	1	1	*	*	*	*	*
Nigeria	5,000	9,300	11,680	15,000	20,000	20,900	20,200	19,500	18,700	18,200
Tunisia	500	550	600	1,000	950	1,100	1,065	2,700	2,670	2,300
Zaire	1	1	500	500	200	500	500	500	150	142
Africa	**54,880**	**74,758**	**58,886**	**106,402**	**67,304**	**68,299**	**65,085**	**60,570**	**59,200**	**57,892**
Afghanistan	100	95	90	90	90	85	85	85	84	NA
Australia	2,500	2,000	2,896	2,121	2,300	2,300	1,700	1,380	2,000	2,100
Brunei	+ 650	+ 1,000	+ 950	+ 1,500	+ 1,600	+ 2,500	2,000	1,625	1,550	1,480
China	NA	NA	NA	NA	NA	NA	NA	20,000	20,000	20,000
China, Taiwan	18	20	21	15	14	15	15	15	12	12
India	715	956	949	834	779	834	913	3,000	3,000	2,900
Indonesia	9,000	10,000	10,400	10,005	10,500	15,000	14,000	10,500	10,000	10,200
Japan	34	30	29	23	19	30	25	28	63	60
Malaysia	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	2,500	2,430	2,500	2,800
Myanmar (Burma)	50	40	6	75	68	65	70	63	55	45
New Zealand	26	226	225	224	224	75	75	190	105	110
Pakistan	45	42	38	35	31	29	26	75	280	200
Philippines	NA	NA	NA	NA	NA	NA	NA	NA	NA	100
Thailand	*	*	1	*	10	115	*	*	*	*
Asia-Pacific	**13,138**	**14,409**	**15,605**	**14,922**	**15,635**	**21,048**	**21,409**	**39,391**	**39,649**	**40,007**
Total World	**530,896**	**613,386**	**632,689**	**666,399**	**628,456**	**714,647**	**658,543**	**640,032**	**645,734**	**640,912**

Crude Oil Reserves
Beginning of Year
Million Barrels

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	6,800	6,400	7,300	7,020	6,730	7,075	6,500	6,850	6,825	6,786
Mexico	31,250	44,000	56,990	48,300	48,000	48,600	49,300	54,653	48,610	54,110
United States	27,051	29,805	29,426	27,858	27,735	28,446	28,416	26,889	27,256	26,500
North America	**65,101**	**80,205**	**93,716**	**83,178**	**82,465**	**84,121**	**84,216**	**88,392**	**82,691**	**87,396**
Argentina	2,400	2,457	2,650	2,590	2,429	2,266	2,300	2,270	2,270	2,268
Barbados	2	1	*	1	1	1	*	1	4	3
Bolivia	150	112	104	180	161	158	154	149	156	176
Brazil	1,220	1,300	1,325	1,750	1,800	1,976	2,070	2,250	2,340	2,550
Chile	400	400	790	760	748	736	726	290	290	287
Colombia	710	800	516	536	560	624	1,224	1,291	1,590	2,028
Ecuador	1,100	1,100	850	1,400	1,675	1,400	1,650	1,672	1,615	1,350
Guatemala	16	20	55	50	48	500	50	23	42	81
Peru	655	650	801	835	775	670	636	546	512	457
Suriname	NA	NA	NA	NA	NA	NA	1	1	27	29
Trinidad & Tobago	700	700	600	580	630	540	540	610	567	528
Venezuela	17,870	17,950	20,300	21,500	24,850	25,845	25,591	25,000	56,300	58,084
Central & S. America	**25,223**	**25,490**	**27,992**	**30,182**	**33,676**	**34,716**	**34,942**	**34,102**	**65,712**	**67,841**
Austria	141	130	134	128	122	119	110	76	105	100
Denmark	375	475	470	473	324	400	465	440	440	861
France	50	40	103	124	140	148	230	235	213	206
Germany	480	450	342	310	304	299	292	316	316	408
Greece	150	150	73	60	51	51	35	26	22	20
Italy	645	640	625	703	800	800	740	722	739	739
Netherlands	60	285	345	294	309	310	251	195	195	206
Norway	5,750	5,500	7,620	6,800	7,660	8,300	10,900	10,500	14,800	10,435
Spain	150	350	122	131	160	115	90	28	39	26
Turkey	125	110	280	280	370	294	300	400	380	381
United Kingdom	15,400	14,800	14,800	13,900	13,150	13,590	13,000	9,000	5,200	5,175
Western Europe	**23,326**	**22,930**	**24,914**	**23,204**	**23,389**	**24,426**	**26,413**	**21,938**	**22,448**	**18,557**
USSR	67,000	63,000	63,000	63,000	63,000	63,000	61,000	59,000	59,000	58,500
Yugoslavia	275	265	@ NA	@ NA	@ NA	@ NA	@ NA	@ NA	@ NA	@ NA
Other #	3,000	2,800	2,950	2,630	2,500	2,000	1,950	1,850	1,800	1,750
E. Europe & USSR #	**70,275**	**66,065**	**65,950**	**65,630**	**65,500**	**65,000**	**62,950**	**60,850**	**60,800**	**60,250**
Abu Dhabi	28,000	29,000	30,600	30,510	30,400	30,500	31,000	31,000	92,205	92,205
Bahrain	240	225	209	197	185	170	155	140	141	126
Dubai	1,400	1,400	1,270	1,440	1,440	1,440	1,400	1,350	4,000	4,000
Iran	58,000	57,500	57,000	55,308	51,000	48,500	47,876	48,800	92,850	92,850
Iraq	31,000	30,000	29,700	41,000	43,000	44,500	44,110	47,100	100,000	100,000
Israel	1	1	1	1	1	1	1	1	1	2
Jordan	NA	NA	NA	NA	NA	NA	NA	NA	12	5
Kuwait	65,400	64,900	64,480	64,230	63,900	90,000	89,774	91,916	91,920	91,920
Neutral Zone	6,260	6,060	6,500	5,840	5,695	5,420	5,380	5,212	5,210	5,210
Oman	2,400	2,340	2,570	2,730	2,790	3,500	4,000	4,032	4,012	4,071
Qatar	3,760	3,585	3,434	3,425	3,330	3,350	3,300	3,154	3,150	3,150
Ra's al Khaymah	NA	NA	NA	NA	100	100	100	200	400	400
Saudi Arabia	163,350	165,000	164,600	162,400	166,000	169,000	168,800	166,574	166,980	169,970
Sharjah	11	10	306	404	400	450	490	500	1,500	1,500
Syria	2,000	1,940	1,890	1,521	1,490	1,450	1,440	1,400	1,750	1,730
Yemen	NA	NA	NA	NA	NA	NA	200	500	550	4,380
Middle East	**361,822**	**361,961**	**362,560**	**369,006**	**369,731**	**398,381**	**398,026**	**401,879**	**564,680**	**571,519**

Crude Oil Reserves
Beginning of Year
Million Barrels

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	8,440	8,200	8,080	9,440	9,220	9,000	8,820	8,800	8,500	8,400
Angola	1,200	1,200	1,450	1,635	1,700	1,800	2,000	1,149	1,149	2,024
Benin	NA	NA	NA	NA	100	100	100	100	100	100
Cameroon	140	200	480	530	520	550	555	540	520	400
Congo	400	660	1,300	1,550	400	480	650	720	720	710
Egypt	3,100	2,900	2,930	3,325	3,450	3,200	3,850	3,600	4,300	4,300
Gabon	500	450	480	460	490	510	520	645	645	720
Ghana	7	6	2	5	4	4	4	2	1	1
Ivory Coast	NA	50	314	111	108	108	125	125	120	120
Libya	23,500	23,000	22,600	21,500	21,270	21,100	21,300	21,300	21,000	22,000
Morocco	*	*	*	*	*	*	*	*	3	3
Nigeria	17,400	16,700	16,500	16,750	16,550	16,650	16,600	16,000	15,980	16,000
South Africa	NA	NA	NA	117	115	115	NA	NA	NA	NA
Sudan	NA	NA	200	400	300	300	300	300	300	300
Tunisia	2,250	1,652	1,690	1,860	1,820	1,514	1,800	1,800	1,800	1,790
Zaire	135	130	145	139	110	110	110	112	112	96
Africa	**57,072**	**55,148**	**56,172**	**57,822**	**56,907**	**55,541**	**56,734**	**55,194**	**55,250**	**56,964**
Australia	2,130	2,360	1,709	1,622	1,586	1,431	1,449	1,713	1,692	1,673
Bangladesh	NA	NA	NA	NA	NA	NA	NA	NA	1	1
Brunei	1,800	1,710	1,630	1,240	1,390	1,400	1,480	1,421	1,420	1,400
China	20,000	20,500	19,895	19,485	19,100	19,100	18,420	18,400	18,400	23,550
China, Taiwan	10	9	8	7	6	6	6	5	5	5
India	2,600	2,580	2,672	3,416	3,485	3,500	3,736	4,203	4,250	6,354
Indonesia	9,600	9,500	9,800	9,550	9,100	8,650	8,500	8,300	8,400	8,250
Japan	55	52	70	60	58	56	62	57	57	55
Malaysia	2,800	3,000	2,800	3,325	3,000	3,000	3,100	2,821	2,900	2,922
Myanmar (Burma)	25	30	28	32	30	28	66	58	58	54
New Zealand	110	173	171	169	170	155	176	167	160	183
Pakistan	200	197	240	196	83	82	109	96	96	170
Papua, New Guinea	NA	NA	NA	NA	NA	50	50	65	200	200
Philippines	25	20	23	36	16	16	16	17	16	16
Thailand	0	0	0	103	45	156	107	101	99	85
Asia-Pacific	**39,355**	**40,131**	**39,046**	**39,241**	**38,069**	**37,630**	**37,276**	**37,424**	**37,754**	**44,917**
Total World	**642,175**	**651,930**	**670,350**	**668,262**	**669,738**	**699,813**	**700,557**	**699,779**	**889,334**	**907,443**

Crude Oil Reserves
Beginning of Year
Million Barrels

	1990	1991
Canada	6,133	5,783
Mexico	56,365	51,983
United States	25,860	26,177
North America	**88,358**	**83,943**
Argentina	2,280	2,280
Barbados	3	3
Bolivia	182	119
Brazil	2,816	2,840
Chile	300	300
Colombia	2,060	2,000
Cuba	NA	100
Ecuador	1,514	1,420
Guatemala	42	36
Peru	412	406
Suriname	28	27
Trinidad & Tobago	521	536
Venezuela	58,504	59,040
Central & S. America	**68,662**	**69,108**
Austria	66	81
Denmark	849	799
France	190	185
Germany	400	425
Greece	73	30
Italy	727	694
Netherlands	170	157
Norway	11,546	7,609
Spain	25	20
Turkey	521	650
United Kingdom	4,256	3,825
Western Europe	**18,822**	**14,476**
Romania	NA	1,170
USSR	58,400	57,000
Yugoslavia	NA	240
Other #	1,700	445
E. Europe & USSR #	**60,100**	**58,855**
Abu Dhabi	92,205	92,200
Bahrain	112	97
Dubai	4,000	4,000
Iran	92,860	92,850
Iraq	100,000	100,000
Israel	1	1
Jordan	5	20
Kuwait	94,525	94,525
Neutral Zone	5,200	5,000
Oman	4,250	4,300
Qatar	4,500	4,500
Ra's al Khaymah	400	400
Saudi Arabia	254,959	257,504
Sharjah	1,500	1,500
Syria	1,730	1,700
Yemen	4,000	4,000
Middle East	**660,247**	**662,598**

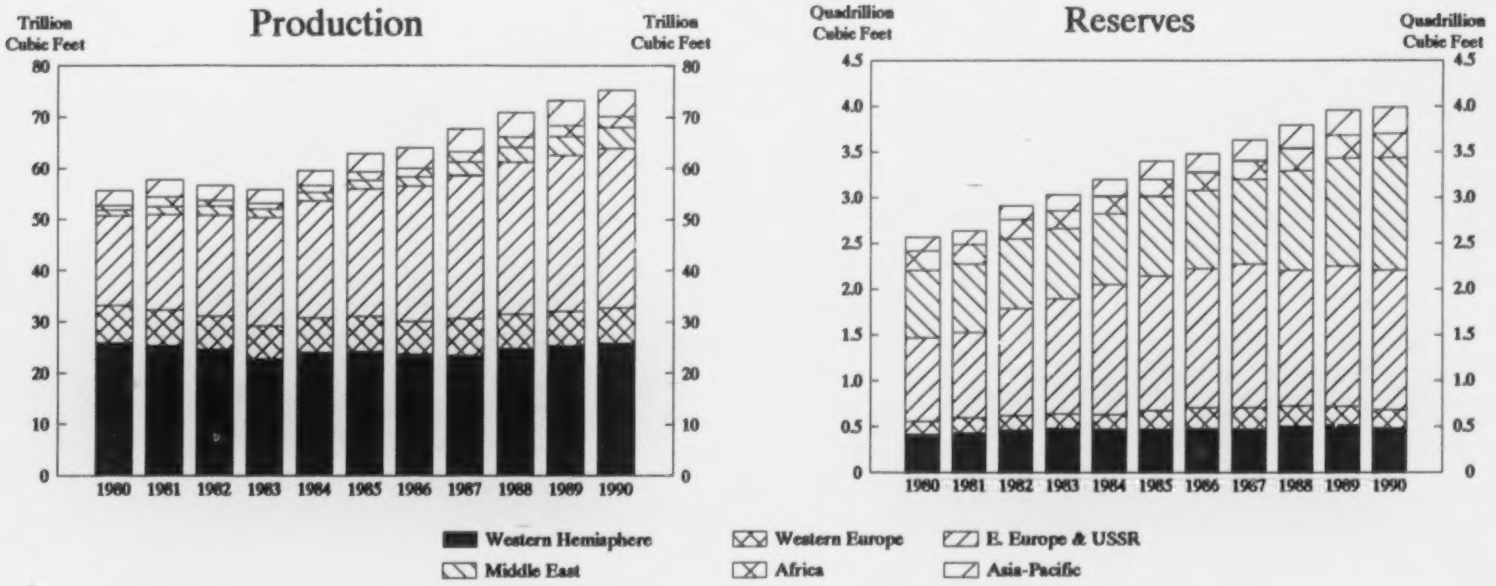
Crude Oil Reserves
Beginning of Year
Million Barrels

	1990	1991
Algeria	9,200	9,200
Angola	2,024	2,074
Benin	100	100
Cameroon	400	400
Congo	830	830
Egypt	4,500	4,500
Gabon	733	730
Ghana	1	1
Ivory Coast	100	100
Libya	22,800	22,800
Morocco	3	2
Nigeria	16,000	17,100
Sudan	300	300
Tunisia	1,750	1,700
Zaire	96	56
Africa	**58,837**	**59,892**
Australia	1,677	1,566
Bangladesh	1	1
Brunei	1,375	1,350
China	24,000	24,000
China, Taiwan	5	5
India	7,516	7,997
Indonesia	8,200	11,050
Japan	61	63
Malaysia	2,950	2,900
Myanmar (Burma)	51	51
New Zealand	146	209
Pakistan	119	162
Papua, New Guinea	200	200
Philippines	15	39
Thailand	231	150
Vietnam	NA	500
Asia-Pacific	**46,545**	**50,242**
Total World	**1,001,572**	**999,113**

* Denotes less than half the unit of measure.
+ Brunei includes Malaysia through 1975.
@ Included in Other Eastern Europe & USSR.
# Data before 1991 includes reserves that were previously classified as Communist. Since historical data were not available by individual countries, they could not be listed in their appropriate regions.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Natural Gas Production and Reserves



Source: OGJ

Natural Gas Reserves
Beginning of Year
Billion Cubic Feet

	1967	1968	1969	1970	1971	1972	1973	1974
Canada	45,000	48,000	46,500	50,650	60,451	54,376	55,000	50,299
Mexico	13,500	11,596	11,500	12,000	10,000	11,500	11,500	11,000
United States	289,333	292,908	287,350	275,109	290,746	278,806	266,085	249,950
North America	**347,833**	**352,504**	**345,350**	**337,759**	**361,197**	**344,682**	**332,585**	**311,249**
Argentina	8,000	7,960	8,500	8,000	8,800	7,600	8,800	8,000
Bolivia	5,000	4,050	5,000	100,000	5,000	5,000	5,000	10,000
Brazil	500	877	1,000	5,000	6,000	5,000	918	921
Chile	2,000	3,530	3,000	2,500	2,000	2,200	5,000	3,400
Colombia	3,500	4,030	3,500	3,000	2,800	2,500	2,400	2,500
Ecuador	50	65	150	150	5,000	6,000	500	5,000
Peru	1,000	2,012	1,750	2,500	3,000	2,500	3,000	3,500
Trinidad & Tobago	1,000	1,211	1,000	5,000	3,500	5,000	7,500	5,000
Venezuela	30,000	31,770	27,500	25,000	27,000	25,400	34,600	42,000
Central & S. America	**51,050**	**55,505**	**51,400**	**151,150**	**63,100**	**61,200**	**67,718**	**80,321**
Austria	960	965	800	1,000	431	550	500	589
Denmark	NA	NA	NA	NA	NA	500	1,800	1,800
France	7,000	8,500	8,500	10,600	7,200	6,900	6,800	6,500
Germany	7,800	8,500	10,200	12,100	11,900	14,000	12,700	12,308
Italy	4,422	5,500	6,500	6,300	5,000	6,000	6,100	5,300
Netherlands	57,500	82,000	82,176	82,300	83,000	83,000	88,000	92,000
Norway	NA	NA	NA	NA	3,000	10,000	15,000	23,000
Spain	NA	NA	NA	NA	NA	500	500	500
Turkey	NA	500	200	200	190	170	150	200
United Kingdom	10,000	25,000	30,000	35,000	36,000	40,000	45,000	50,000
Western Europe	**87,682**	**130,965**	**138,376**	**147,500**	**146,721**	**161,620**	**176,550**	**192,197**
Yugoslavia	900	3,500	3,000	3,500	1,200	1,800	2,000	1,800
Other @	150,000	215,500	343,000	350,000	440,000	558,000	664,400	735,400
E. Europe & USSR @	**150,900**	**219,000**	**346,000**	**353,500**	**441,200**	**559,800**	**666,400**	**737,200**
Abu Dhabi	7,500	8,000	7,500	10,000	9,500	10,000	12,000	12,500
Bahrain	100	100	100	1,000	5,000	5,000	5,000	4,000
Dubai	NA	NA	500	500	750	1,000	1,000	1,000
Iran	109,500	109,500	100,000	100,000	214,000	200,000	200,000	270,000
Iraq	20,000	20,000	20,000	19,000	18,500	22,000	25,000	22,000
Israel	70	70	75	75	72	60	50	25
Kuwait	40,000	34,500	39,100	39,000	38,000	35,000	33,000	32,500
Neutral Zone	3,500	3,500	4,000	3,500	6,000	8,000	7,500	8,000
Oman	NA	1,500	1,500	1,500	2,000	2,000	1,750	2,000
Qatar	7,500	7,500	7,300	10,000	8,000	8,000	8,000	8,000
Saudi Arabia	26,400	35,000	43,000	50,000	49,500	52,000	50,000	50,900
Sharjah	NA	NA	NA	NA	NA	NA	NA	1,500
Syria	500	500	500	500	750	700	700	700
Yemen	0	0	0	0	0	0	0	0
Middle East	**215,070**	**220,170**	**223,575**	**235,075**	**354,072**	**343,760**	**344,000**	**413,125**

Natural Gas Reserves
Beginning of Year
Billion Cubic Feet

	1967	1968	1969	1970	1971	1972	1973	1974
Algeria	140,000	140,000	135,000	150,000	141,000	106,500	105,000	105,945
Angola	100	150	625	625	1,000	1,500	1,000	1,500
Congo	NA	NA	NA	NA	NA	NA	NA	1,000
Egypt	530	1,300	2,800	5,000	5,000	7,500	7,500	4,200
Gabon	5,000	5,000	4,500	5,000	7,000	6,500	7,000	6,500
Libya	7,000	15,000	20,000	30,000	30,000	29,500	27,500	27,000
Morocco	25	23	20	18	16	18	15	25
Mozambique	1,000	1,000	1,000	1,000	NA	NA	NA	NA
Nigeria	4,000	4,000	3,900	5,000	6,000	40,000	40,000	40,000
South Africa	NA	NA	NA	500	500	NA	NA	NA
Tanzania	NA	NA	NA	NA	NA	NA	0	0
Tunisia	500	750	500	1,000	1,000	1,500	1,000	1,500
Zaire	NA	NA	NA	NA	NA	NA	NA	50
Africa	**158,155**	**167,223**	**168,345**	**198,143**	**191,516**	**193,018**	**189,015**	**187,720**
Afghanistan	2,400	5,000	5,240	5,100	5,000	4,900	5,000	4,900
Australia	5,000	8,000	16,000	16,000	12,600	24,800	36,236	37,700
Bangladesh	NA	NA	NA	NA	NA	NA	8,000	8,000
Brunei	* 500	* 700	* 650	* 5,000	* 6,000	* 7,500	* 10,000	* 20,000
China, Taiwan	200	950	959	900	800	600	500	400
India	756	1,500	1,500	2,000	1,800	1,500	2,300	2,000
Indonesia	2,500	2,500	2,500	2,300	3,000	4,500	5,500	15,000
Japan	200	500	250	600	550	400	400	700
Malaysia	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA
Myanmar (Burma)	150	150	125	100	80	100	120	200
New Zealand	444	450	500	500	6,500	6,000	17,000	15,000
Pakistan	20,300	20,300	25,000	35,000	20,000	19,500	16,000	10,120
Philippines	NA	NA	NA	NA	NA	NA	180	180
Asia-Pacific	**32,450**	**40,050**	**52,724**	**67,500**	**56,330**	**69,800**	**101,236**	**114,200**
Total World	**1,043,140**	**1,185,417**	**1,325,770**	**1,490,627**	**1,614,136**	**1,733,880**	**1,877,504**	**2,036,012**

Natural Gas Reserves
Beginning of Year
Billion Cubic Feet

	1975	1976	1977	1978	1979	1980	1981	1982
Canada	52,500	53,400	56,000	58,000	59,000	85,500	87,300	89,900
Mexico	15,000	12,000	12,000	30,000	32,000	59,000	64,500	75,350
United States	237,133	228,200	216,026	208,878	200,302	194,917	199,021	201,730
North America	**304,633**	**293,600**	**284,026**	**296,878**	**291,302**	**339,417**	**350,821**	**366,980**
Argentina	7,500	7,200	6,800	8,120	12,000	15,200	22,000	23,400
Bahamas	NA	NA	300	0	0	0	1	1
Bolivia	11,000	10,800	5,000	5,000	6,000	5,400	4,200	5,400
Brazil	914	927	900	1,200	1,500	1,500	1,500	1,848
Chile	2,800	2,300	2,000	2,000	2,500	2,500	2,500	2,620
Colombia	4,000	4,000	5,000	6,360	4,800	5,000	6,000	4,362
Ecuador	5,000	5,000	12,000	5,000	4,000	4,000	4,000	4,300
Guatemala	NA	NA	NA	NA	NA	NA	10	40
Peru	5,000	2,260	2,200	1,300	1,150	1,100	1,100	1,202
Trinidad & Tobago	6,000	4,000	3,425	8,500	8,000	8,000	1,200	10,800
Venezuela	43,000	42,000	40,700	41,000	41,000	42,800	42,000	47,000
Central & S. America	**85,214**	**78,487**	**78,325**	**78,480**	**80,950**	**85,500**	**84,511**	**100,973**
Austria	953	775	705	490	420	406	365	345
Denmark	500	500	700	1,700	2,500	2,820	4,000	2,000
France	5,800	5,300	5,000	4,800	6,500	6,300	6,000	2,720
Germany	11,473	8,300	7,500	7,300	6,300	6,350	6,000	6,180
Greece	NA	8,000	8,000	4,000	4,000	4,000	4,000	3,800
Ireland	NA	1,000	1,000	1,000	1,000	1,000	950	860
Italy	12,000	10,000	6,600	8,300	8,000	3,500	3,500	3,650
Netherlands	94,800	70,000	61,900	60,000	62,000	59,500	62,000	55,700
Norway	24,700	25,000	18,500	20,000	24,000	23,500	42,700	49,370
Spain	600	500	500	200	200	2,000	3,500	25
Turkey	250	538	540	540	500	500	490	550
United Kingdom	50,000	50,000	30,000	29,000	27,000	25,000	24,800	26,000
Western Europe	**201,076**	**179,913**	**140,945**	**137,330**	**142,420**	**134,876**	**158,305**	**151,200**
USSR	NA	NA	NA	NA	NA	900,000	920,000	1,160,000
Yugoslavia	2,000	1,500	1,500	1,400	1,340	1,000	1,500	+ NA
Other @	846,000	835,000	928,000	930,000	920,000	10,000	9,400	10,300
E. Europe & USSR @	**848,000**	**836,500**	**929,500**	**931,400**	**921,340**	**911,000**	**930,900**	**1,170,300**
Abu Dhabi	200,000	20,000	20,000	20,000	20,000	19,000	20,000	19,500
Bahrain	6,600	5,500	3,000	3,000	7,000	9,000	9,000	8,600
Dubai	1,500	1,500	1,500	1,500	1,600	1,500	775	750
Iran	330,000	329,500	330,000	500,000	500,000	490,000	485,000	484,000
Iraq	27,500	27,100	27,000	28,000	27,800	27,500	27,450	27,300
Israel	20	20	20	20	60	100	100	90
Kuwait	32,000	31,800	31,700	31,500	31,300	31,000	30,800	30,500
Neutral Zone	7,500	7,500	5,000	5,000	5,000	5,000	4,800	8,300
Oman	2,100	2,000	2,000	2,000	2,000	2,000	2,500	2,700
Qatar	8,000	7,500	27,500	40,000	40,000	60,000	60,000	60,000
Saudi Arabia	55,000	103,000	86,000	85,000	93,900	93,230	110,000	114,000
Sharjah	1,500	1,450	1,000	0	0	0	0	3,000
Syria	700	1,240	1,200	3,100	1,500	1,500	1,500	3,200
Yemen	0	0	0	0	0	0	0	0
Middle East	**672,420**	**538,110**	**535,920**	**719,120**	**730,160**	**739,830**	**751,925**	**781,940**

Natural Gas Reserves
Beginning of Year
Billion Cubic Feet

	1975	**1976**	**1977**	**1978**	**1979**	**1980**	**1981**	**1982**
Algeria	229,000	126,000	125,800	125,000	105,000	132,000	131,500	130,900
Angola	1,400	1,500	1,500	1,500	1,200	1,175	1,050	1,030
Cameroon	NA	NA	NA	NA	NA	NA	NA	4,600
Congo	1,000	1,000	7	10	2,260	2,200	2,000	2,500
Egypt	3,500	4,000	2,800	3,200	3,000	3,000	2,970	2,960
Gabon	7,000	2,500	2,500	2,450	2,400	500	500	490
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	37
Libya	26,500	26,300	25,800	25,700	24,200	24,000	23,800	23,200
Morocco	24	22	20	44	30	25	NA	NA
Nigeria	45,000	44,300	44,000	43,000	42,000	41,400	41,000	40,500
Sudan	NA	NA	NA	100	100	NA	NA	NA
Tanzania	0	0	0	50	50	0	0	0
Tunisia	1,500	1,480	6,600	6,400	6,000	6,000	5,600	5,400
Zaire	50	50	50	50	50	50	50	50
Africa	**314,974**	**207,152**	**209,077**	**207,504**	**186,290**	**210,350**	**208,470**	**211,667**
Afghanistan	3,530	3,500	2,750	2,600	NA	NA	NA	NA
Australia	38,000	32,500	32,300	32,000	31,000	31,000	30,000	18,700
Bangladesh	10,000	10,000	8,000	8,000	8,000	8,000	8,000	7,000
Brunei	* 22,000	8,700	8,400	8,250	8,000	7,700	7,300	7,100
China	NA	NA	25,000	25,000	25,000	25,000	24,500	24,400
China, Taiwan	1,000	1,000	800	700	700	650	600	580
India	2,500	2,400	3,500	3,500	3,500	9,300	12,000	12,430
Indonesia	15,000	15,000	24,000	24,000	24,000	24,000	23,500	27,400
Japan	1,700	1,900	2,100	525	500	600	500	800
Malaysia	* NA	15,000	15,000	17,000	17,000	17,000	15,000	19,000
Myanmar (Burma)	150	160	150	150	150	135	180	170
New Zealand	5,000	5,000	6,190	6,000	6,000	6,000	6,100	6,020
Pakistan	16,000	16,400	15,820	15,500	16,000	15,800	15,100	16,400
Philippines	0	0	0	0	0	0	10	16
Thailand	1,000	0	1,000	4,500	5,000	8,000	8,000	12,000
Asia-Pacific	**115,880**	**111,560**	**145,010**	**147,725**	**144,850**	**153,185**	**150,790**	**152,016**
Total World	**2,542,197**	**2,245,322**	**2,322,803**	**2,518,437**	**2,497,312**	**2,574,158**	**2,635,722**	**2,915,076**

Natural Gas Reserves
Beginning of Year
Billion Cubic Feet

	1983	1984	1985	1986	1987	1988	1989	1990	1991
Canada	97,000	90,500	92,300	99,700	99,600	98,000	95,100	94,300	97,589
Mexico	75,850	75,352	77,000	76,954	76,500	76,530	74,831	73,380	72,744
United States	201,512	200,247	197,463	193,369	191,586	187,211	187,200	165,000	166,208
North America	**374,362**	**366,099**	**366,763**	**370,023**	**367,686**	**361,741**	**357,131**	**332,680**	**336,541**
Argentina	25,200	24,420	24,628	23,588	23,000	23,600	26,700	27,299	27,000
Barbados	NA	NA	NA	NA	NA	10	7	7	6
Bolivia	5,700	4,900	4,270	4,700	4,840	5,040	5,354	5,475	4,149
Brazil	2,330	2,669	2,840	3,060	3,200	3,600	3,700	3,849	4,045
Chile	2,515	2,400	2,360	2,300	4,200	4,200	4,200	4,200	4,100
Colombia	4,580	4,300	3,786	4,130	4,000	3,600	3,943	4,020	4,500
Cuba	NA	NA	NA	NA	NA	NA	NA	NA	100
Ecuador	4,100	3,526	3,000	4,090	4,050	4,020	4,020	3,990	3,950
Guatemala	35	33	30	30	30	20	20	10	10
Peru	1,201	1,150	1,100	852	850	650	623	650	7,082
Trinidad & Tobago	11,000	13,100	10,550	10,500	10,400	10,390	10,500	9,968	8,910
Venezuela	54,079	54,546	55,367	59,067	59,000	95,000	102,243	100,846	105,688
Central & S. America	**110,741**	**111,044**	**107,931**	**112,317**	**113,570**	**150,130**	**161,310**	**160,314**	**169,540**
Austria	337	530	530	520	420	420	420	400	403
Denmark	2,300	2,887	3,500	3,900	3,400	4,400	4,320	4,450	4,488
France	2,700	2,422	1,500	1,400	1,230	1,170	1,180	1,180	1,324
Germany	6,319	6,800	5,957	6,424	6,500	6,400	9,393	6,640	12,400
Greece	3,500	3,470	3,440	3,000	NA	20	140	210	47
Ireland	NA	700	800	900	1,940	1,900	1,800	1,730	1,700
Italy	4,320	4,340	4,360	5,000	8,000	10,200	10,240	11,693	11,624
Netherlands	51,920	50,050	68,482	67,070	70,400	64,100	62,507	61,100	60,900
Norway	58,000	58,800	89,000	104,000	103,180	105,940	85,500	82,160	60,674
Spain	1,940	2,225	700	700	800	600	840	810	780
Switzerland	NA	4	4	3	NA	NA	NA	NA	NA
Turkey	545	1,010	600	490	460	1,030	1,037	705	1,150
United Kingdom	25,400	25,100	27,800	33,000	33,400	22,000	22,740	20,836	19,775
Western Europe	**157,281**	**158,338**	**206,673**	**226,407**	**229,730**	**218,180**	**200,117**	**191,914**	**175,265**
Romania	NA	NA	NA	NA	NA	NA	NA	NA	4,700
USSR	1,240,000	1,400,000	1,450,000	1,500,000	1,550,000	1,450,000	1,500,000	1,500,000	1,600,000
Yugoslavia	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	2,900
Other @	14,000	16,500	16,500	16,000	15,800	29,300	29,000	28,000	11,400
E. Europe & USSR @	**1,254,000**	**1,416,500**	**1,466,500**	**1,516,000**	**1,565,800**	**1,479,300**	**1,529,000**	**1,528,000**	**1,619,000**
Abu Dhabi	19,260	20,500	20,750	20,500	90,000	183,500	183,500	182,900	182,800
Bahrain	7,890	7,400	7,260	7,103	7,000	6,900	6,700	6,476	6,250
Dubai	4,320	4,320	4,320	4,400	4,400	6,000	5,015	4,900	4,800
Iran	482,600	480,000	478,600	470,000	450,000	489,400	494,400	500,000	600,350
Iraq	28,800	29,000	28,800	29,000	28,000	26,300	95,000	95,000	95,000
Israel	85	10	8	10	10	30	30	9	10
Jordan	NA	NA	NA	NA	NA	NA	980	58	400
Kuwait	29,900	31,000	32,500	32,500	35,000	36,400	42,500	48,600	48,600
Neutral Zone	8,380	8,307	8,290	8,210	12,400	12,300	12,300	12,000	10,000
Oman	2,690	2,810	7,377	6,000	7,500	9,500	9,320	163,100	7,200
Qatar	62,000	62,000	150,000	148,000	152,000	156,700	156,700	2,000	163,200
Ra's al Khaymah	NA	400	400	400	1,200	2,000	2,000	181,347	2,000
Saudi Arabia	117,000	121,000	123,270	121,000	123,990	139,900	145,848	11,000	180,355
Sharjah	5,000	6,000	6,500	7,500	9,000	12,000	11,000	4,000	10,800
Syria	1,260	1,290	1,280	1,240	4,200	1,500	13,130	5,500	5,500
Yemen	0	0	0	0	600	1,600	3,700	9,260	7,000
Middle East	**769,185**	**774,037**	**869,355**	**855,863**	**925,300**	**1,084,030**	**1,182,123**	**1,226,150**	**1,324,265**

Natural Gas Reserves
Beginning of Year
Billion Cubic Feet

	1983	1984	1985	1986	1987	1988	1989	1990	1991
Algeria	111,250	110,180	109,100	107,080	106,000	105,900	104,200	114,000	114,700
Angola	1,470	1,550	1,650	1,870	1,800	1,760	1,900	2,100	1,800
Cameroon	4,450	4,200	4,150	3,880	3,800	3,880	3,880	3,880	3,880
Congo	2,700	2,150	2,118	2,470	2,500	2,470	2,440	2,580	2,580
Egypt	7,180	7,100	7,000	7,060	8,900	10,240	11,470	11,720	12,400
Ethiopia	NA	NA	NA	NA	NA	NA	NA	800	880
Gabon	485	500	550	420	500	600	600	560	490
Ghana	NA	4	4	4	NA	NA	NA	NA	NA
Ivory Coast	3,040	3,020	3,000	2,118	3,400	3,530	3,530	3,530	3,500
Libya	21,500	21,350	21,200	21,390	21,180	25,700	25,700	25,500	43,000
Madagascar	NA	NA	NA	NA	NA	NA	NA	70	70
Morocco	NA	NA	NA	NA	130	70	100	100	53
Mozambique	NA	NA	NA	NA	NA	2,200	2,290	2,290	2,290
Nigeria	32,400	34,800	35,600	47,000	47,000	84,000	85,000	87,400	87,400
Somalia	NA	NA	NA	NA	NA	210	210	210	210
South Africa	400	400	350	NA	NA	980	1,760	1,760	1,760
Sudan	NA	NA	NA	NA	NA	NA	3,000	3,000	3,000
Tanzania	200	200	200	800	3,000	4,100	4,100	4,100	4,100
Tunisia	4,300	4,150	2,224	4,200	3,200	2,960	3,100	3,100	3,000
Zaire	48	40	30	30	30	30	30	30	30
Africa	**189,423**	**189,644**	**187,176**	**198,322**	**201,440**	**248,630**	**253,310**	**266,730**	**285,143**
Australia	17,768	17,682	17,850	18,220	18,680	18,610	16,633	16,467	15,433
Bangladesh	7,000	7,000	7,000	11,800	12,710	12,720	12,715	12,360	12,700
Brunei	6,800	7,050	7,300	7,400	7,060	7,010	11,600	11,370	11,200
China	29,800	30,300	30,900	30,000	30,000	30,700	31,700	35,300	35,300
China, Taiwan	560	550	540	811	910	890	885	840	700
India	14,508	14,826	15,000	16,880	17,550	17,550	22,861	22,973	25,049
Indonesia	29,600	30,200	40,000	35,600	49,440	73,000	83,590	87,015	91,450
Japan	720	900	720	1,100	1,090	1,030	1,410	1,116	1,124
Malaysia	34,000	48,000	50,000	52,700	49,440	52,200	51,700	51,900	56,900
Myanmar (Burma)	190	180	170	160	9,460	9,460	9,460	9,430	9,400
New Zealand	5,545	5,533	5,438	5,515	5,690	5,200	5,150	5,120	4,106
Pakistan	18,540	15,800	15,760	15,400	18,700	22,400	17,722	18,000	19,449
Papua, New Guinea	NA	NA	500	500	500	1,000	3,030	4,520	8,000
Philippines	16	14	12	11	10	10	9	10	1,800
Thailand	11,000	8,500	5,900	5,400	7,400	3,720	3,885	6,910	5,850
Vietnam	NA	NA	NA	NA	NA	NA	NA	NA	100
Asia-Pacific	**176,047**	**186,535**	**197,090**	**201,497**	**228,640**	**255,500**	**272,350**	**283,331**	**298,561**
Total World	**3,031,039**	**3,202,197**	**3,401,488**	**3,480,429**	**3,632,166**	**3,797,511**	**3,955,341**	**3,989,119**	**4,208,315**

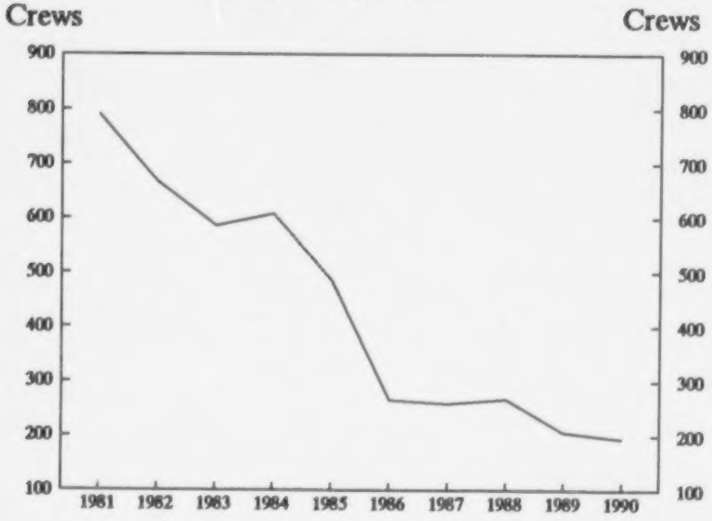
* Brunei includes Malaysia through 1975.

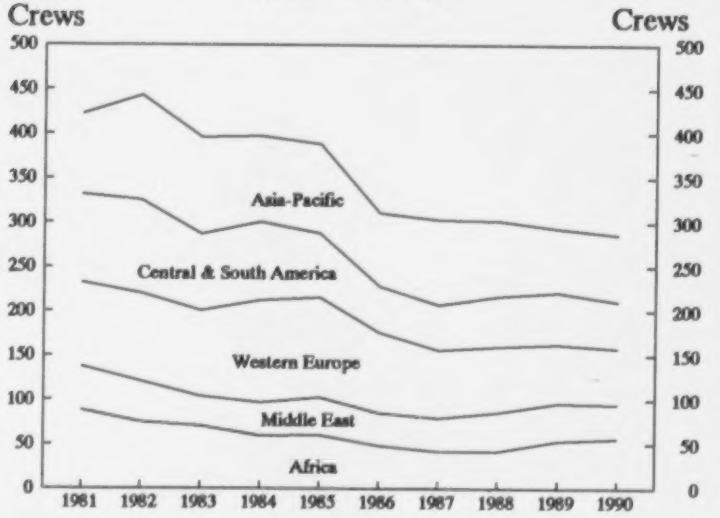
+ Yugoslavia included in Other E. Europe & USSR.

@ Data before 1991 includes reserves that were previously classified as Communist. Since historical data were not available by individual countries, they could not be listed in their appropriate regions.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Seismic Crew Count


North America


Rest of World

Source: SEG

Active Seismic Crews
By Area, Average

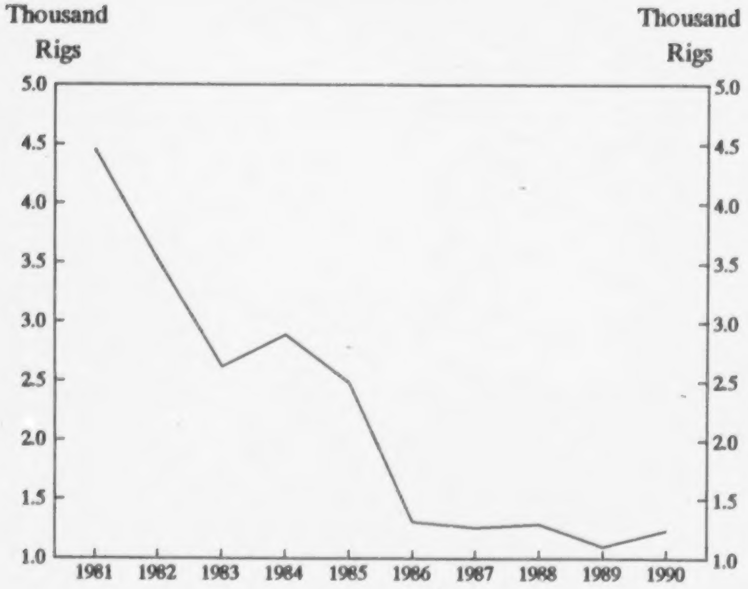
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Africa:													
Land	64.0	52.8	63.8	81.8	69.5	60.3	53.3	54.5	44.3	37.3	36.0	46.0	49.5
Marine	9.5	5.0	6.5	6.8	5.8	10.3	6.3	5.8	4.3	4.5	6.0	8.0	7.0
Total	**73.5**	**57.8**	**70.3**	**88.5**	**75.3**	**70.5**	**59.5**	**60.3**	**48.5**	**41.8**	**42.0**	**54.0**	**56.5**
Canada:													
Land	82.0	64.3	75.0	65.8	62.8	71.8	82.3	86.0	53.0	57.5	69.3	57.0	51.3
Marine	1.5	1.5	2.8	4.5	4.5	6.5	5.3	3.8	0.5	0.5	0.8	0.8	1.3
Total	**83.5**	**65.8**	**77.8**	**70.3**	**67.3**	**78.3**	**87.5**	**89.8**	**53.5**	**58.0**	**70.1**	**57.8**	**52.6**
Central & South America:													
Land	47.0	51.3	66.3	91.3	98.0	81.3	79.0	63.5	48.3	46.3	52.8	53.0	47.8
Marine	6.5	9.3	8.5	7.8	7.3	5.0	9.0	8.3	4.5	4.8	4.0	5.3	5.3
Total	**53.5**	**60.5**	**74.8**	**99.0**	**105.3**	**86.3**	**88.0**	**71.8**	**52.8**	**51.0**	**56.8**	**58.3**	**53.1**
Far East:													
Land	49.3	48.0	59.0	78.5	102.5	94.5	84.5	92.3	73.8	87.3	74.5	58.3	59.5
Marine	8.8	13.5	15.3	12.8	15.5	14.5	12.3	8.5	8.8	9.0	11.0	14.0	15.5
Total	**58.0**	**61.5**	**74.3**	**91.3**	**118.0**	**109.0**	**96.8**	**100.8**	**82.5**	**96.3**	**85.5**	**72.3**	**75.0**
Middle East:													
Land	38.5	32.8	40.3	45.3	42.8	32.5	36.0	40.3	33.0	34.8	41.5	40.5	36.8
Marine	1.3	1.5	3.5	3.8	2.8	1.0	1.8	2.3	3.8	3.0	2.3	1.8	1.8
Total	**39.8**	**34.3**	**43.8**	**49.0**	**45.5**	**33.5**	**37.8**	**42.5**	**36.8**	**37.8**	**43.8**	**42.3**	**38.6**
Mexico:													
Land	23.8	25.5	29.0	29.0	29.0	27.5	31.5	32.3	28.8	22.8	21.3	17.3	18.3
Marine	3.3	3.0	3.3	2.8	1.0	0.8	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Total	**27.0**	**28.5**	**32.3**	**31.8**	**30.0**	**28.3**	**31.5**	**32.3**	**28.8**	**23.0**	**21.3**	**17.3**	**18.3**
United States:													
Land	327.8	381.5	501.8	643.8	511.8	429.8	441.3	318.5	161.0	153.8	147.0	109.0	101.5
Marine	24.3	31.3	38.0	44.5	57.3	49.0	47.0	45.0	22.0	24.0	29.0	21.8	23.0
Total	**352.0**	**412.8**	**539.8**	**688.3**	**569.0**	**478.8**	**488.3**	**363.5**	**183.0**	**177.8**	**176.0**	**130.8**	**124.5**
Western Europe:													
Land	41.8	49.0	60.0	65.8	68.8	71.0	80.8	78.3	64.8	52.3	48.8	41.8	38.3
Marine	10.5	13.0	22.5	29.3	30.8	26.0	34.5	35.0	26.0	24.5	25.5	25.0	24.8
Total	**52.3**	**62.0**	**82.5**	**95.0**	**99.5**	**97.0**	**115.3**	**113.3**	**90.8**	**76.8**	**74.3**	**66.8**	**63.1**
Total Non-Communist:													
Land	674.0	705.0	895.0	1,101.0	985.0	868.5	888.5	765.5	506.8	491.8	491.0	422.8	402.8
Marine	65.5	78.0	100.3	112.0	124.8	113.0	116.0	108.5	69.8	70.5	78.5	76.5	78.5
Total	**739.5**	**783.0**	**995.3**	**1,213.0**	**1,109.8**	**981.5**	**1,004.5**	**874.0**	**576.5**	**562.3**	**569.5**	**499.3**	**481.3**

Note: Totals may not add due to independent rounding.

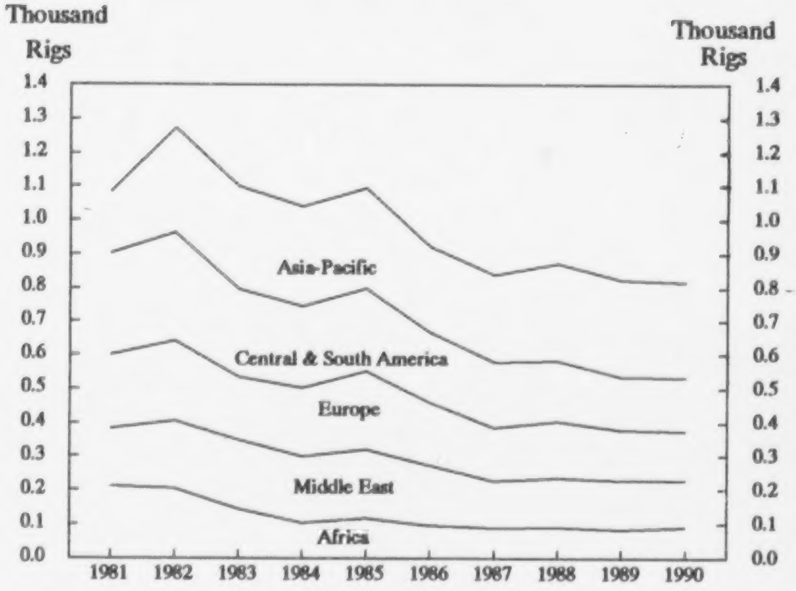
Data from Oil & Gas Journal Energy Database.
Source: Society of Exploration Geophysicists

Active Drilling Rigs

North America



Rest of World



Source: Baker Hughes

Active Drilling Rigs

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Canada	272	339	401	264	199	201	259	311	178	181	196	130	138
Mexico	167	205	215	218	202	187	196	196	163	143	155	103	90
United States	2,255	2,176	2,910	3,969	3,117	2,229	2,429	1,976	970	936	936	870	1,008
North America	**2,694**	**2,720**	**3,526**	**4,451**	**3,518**	**2,617**	**2,884**	**2,483**	**1,311**	**1,260**	**1,287**	**1,103**	**1,236**
Argentina	72	63	76	70	67	73	82	81	47	61	63	55	64
Bolivia	6	6	4	11	11	8	6	5	4	6	5	6	6
Brazil	52	60	72	81	94	83	70	76	77	60	39	28	23
Chile	5	6	7	7	7	6	6	6	6	7	5	5	6
Colombia	11	15	14	22	23	18	16	21	17	14	19	15	11
Costa Rica	0	0	0	0	0	1	1	0	0	1	0	0	0
Ecuador	1	3	3	4	6	5	4	2	3	3	6	5	2
Peru	16	20	21	24	23	16	17	12	13	15	11	10	6
Trinidad	17	14	13	14	13	10	9	10	11	9	7	6	8
Venezuela	33	47	52	63	69	41	30	33	29	18	25	28	32
Other	2	1	4	7	7	3	2	1	1	1	0	0	0
Central & South America	**215**	**235**	**266**	**303**	**320**	**264**	**243**	**247**	**208**	**195**	**180**	**158**	**156**
Austria	9	10	8	9	9	9	7	7	6	4	4	2	1
Denmark	0	0	3	2	2	5	3	4	3	3	2	2	2
France	8	11	13	21	22	17	20	22	15	8	8	7	6
Germany	22	21	22	26	31	25	19	20	19	12	9	8	9
Greece	2	2	3	6	5	3	4	1	0	2	2	1	0
Holland	14	17	17	17	21	17	18	24	15	10	14	12	14
Italy	18	21	19	32	38	26	26	40	33	26	24	22	21
Norway	5	7	11	12	13	10	10	13	12	12	15	12	12
Spain	6	5	10	11	12	8	9	10	7	2	2	3	1
United Kingdom	34	34	48	58	58	42	60	63	43	44	57	46	48
Yugoslavia	23	22	22	22	24	21	25	27	30	31	31	32	31
Other	3	2	3	2	2	2	2	2	1	1	1	0	0
Europe	**144**	**152**	**179**	**218**	**237**	**185**	**203**	**233**	**184**	**155**	**169**	**147**	**146**
Australia	10	11	15	23	33	25	34	31	15	16	19	14	14
Bangladesh	3	2	3	5	5	2	4	5	5	5	2	5	4
Brunei	8	8	8	7	10	10	9	7	5	3	4	4	5
China-offshore	0	8	12	9	10	10	9	14	7	4	8	4	3
India	40	40	43	44	50	56	57	62	70	116	131	135	137
Indonesia	62	66	77	86	92	88	82	80	62	37	44	46	52
Japan	13	15	16	16	22	20	18	16	15	10	11	6	7
Malaysia	11	13	12	12	13	10	9	8	8	8	9	12	13
Myanmar (Burma)	18	22	26	30	32	36	33	33	33	29	26	23	19
New Zealand	2	2	2	3	1	2	2	4	4	3	2	2	1
Pakistan	8	13	14	15	17	17	17	18	17	14	13	13	11
Papua, New Guinea	0	0	1	0	0	1	1	2	1	2	3	3	3
Philippines	6	15	12	13	14	8	3	2	1	2	4	7	6
Taiwan	9	10	12	11	4	5	6	7	7	4	4	5	3
Thailand	2	2	5	7	8	13	11	9	4	6	6	6	5
Other	1	3	2	0	0	0	0	0	0	0	1	1	1
Asia-Pacific	**193**	**230**	**260**	**281**	**311**	**303**	**295**	**298**	**254**	**259**	**287**	**286**	**285**

Active Drilling Rigs

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Algeria	101	109	111	91	81	54	27	35	41	40	32	24	35
Angola	2	6	5	5	11	12	7	11	7	10	10	8	8
Congo	1	1	4	7	6	4	3	3	2	3	2	1	2
Gabon	4	6	8	13	12	7	6	7	3	3	5	6	5
Kenya	0	0	0	0	0	0	0	0	0	1	1	3	1
Libya	28	33	41	33	31	24	26	30	20	12	16	17	15
Nigeria	16	18	20	23	27	17	11	10	10	11	13	14	18
South Africa	2	2	2	2	2	2	2	3	3	3	4	3	3
Tunisia	6	7	8	11	11	7	6	4	3	4	3	3	3
Other	16	19	20	28	25	19	16	15	8	3	5	4	2
Africa	**176**	**201**	**219**	**213**	**206**	**146**	**104**	**118**	**97**	**90**	**91**	**83**	**91**
Abu Dhabi	16	20	23	31	41	35	29	21	15	9	7	6	9
Dubai	2	1	3	2	3	7	7	5	3	2	3	3	3
Egypt	16	21	26	27	36	35	36	37	33	23	21	18	15
Iran	53	8	0	0	3	13	20	20	18	18	18	20	19
Iraq	29	32	39	14	11	23	19	28	21	10	23	26	23
Jordan	0	0	0	0	0	0	3	2	2	2	2	3	2
Kuwait	2	2	3	3	4	5	5	6	6	6	6	4	2
North Yemen	0	0	0	0	0	0	0	1	4	4	3	2	3
Oman	6	7	8	10	12	11	12	13	13	10	9	13	17
Qatar	6	6	8	7	5	3	2	3	1	1	3	3	2
Saudi Arabia	22	22	25	29	29	26	16	11	6	5	4	5	10
Syria	17	15	15	16	15	15	23	26	27	22	24	24	17
Turkey	17	9	24	26	34	26	24	25	27	26	21	20	17
Other	5	1	3	5	7	4	0	3	2	1	0	1	1
Middle East	**191**	**144**	**177**	**170**	**200**	**203**	**196**	**201**	**178**	**139**	**144**	**148**	**139**
Total Non-Communist	**3,813**	**3,682**	**4,627**	**5,636**	**4,792**	**3,718**	**3,925**	**3,580**	**2,232**	**2,098**	**2,158**	**1,925**	**2,053**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Well Completions
Total Wells Drilled

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Canada	3,108	3,175	3,548	4,621	4,227	4,242	6,221	6,197	7,170	7,489
Mexico	502	516	431	422	408	353	336	307	406	333
United States	29,542	27,682	29,420	28,662	34,415	40,804	42,614	47,308	51,671	53,362
North America	**33,152**	**31,373**	**33,399**	**33,705**	**39,050**	**45,399**	**49,171**	**53,812**	**59,247**	**61,184**
Argentina	579	595	623	597	606	552	646	647	865	773
Bolivia	NA	NA	NA	NA	NA	NA	NA	NA	NA	21
Brazil	177	175	179	128	176	228	288	245	256	385
Chile	NA	NA	NA	NA	NA	NA	NA	NA	NA	82
Colombia	NA	NA	NA	NA	NA	NA	NA	NA	NA	85
Ecuador	37	81	59	58	37	15	19	16	16	40
Peru	135	121	117	89	152	161	150	160	157	451
Trinidad	135	220	196	212	200	189	192	217	215	188
Venezuela	589	464	371	427	416	284	337	446	637	1,030
Other	177	189	158	127	140	128	156	194	183	289
Central & South America	**2,331**	**2,361**	**2,134**	**2,060**	**2,135**	**1,910**	**2,124**	**2,232**	**2,735**	**3,677**
North Sea	88	100	107	113	176	207	210	166	134	227
Other	274	318	352	287	313	369	345	410	525	448
Western Europe	**362**	**418**	**459**	**400**	**489**	**576**	**555**	**576**	**659**	**675**
Abu Dhabi	7	19	37	37	64	49	82	67	78	89
Dubai	0	7	16	18	17	17	30	31	12	7
Iran	44	104	61	81	100	140	182	185	180	0
Iraq	6	17	0	16	2	0	2	NA	NA	66
Kuwait	13	8	2	0	0	0	8	0	0	12
Neutral Zone	23	12	9	13	19	14	15	4	0	3
Oman	27	0	56	49	40	55	42	51	61	102
Qatar	7	10	8	9	2	7	4	2	2	46
Saudi Arabia	43	56	178	323	300	210	163	180	145	144
Sharjah	0	2	2	2	3	2	1	0	0	0
Other	72	58	56	61	83	102	75	124	107	143
Middle East	**242**	**293**	**425**	**609**	**630**	**596**	**604**	**644**	**585**	**612**
Algeria	115	109	80	83	79	107	54	130	60	267
Gabon	26	36	36	44	59	49	44	31	35	38
Libya	250	87	77	74	79	66	64	109	177	184
Nigeria	168	207	258	239	249	192	143	118	104	116
Other	150	214	194	157	162	191	130	208	208	236
Africa	**594**	**544**	**565**	**514**	**549**	**498**	**381**	**466**	**524**	**574**
Brunei	NA	NA	NA	NA	NA	NA	NA	NA	77	50
China, Taiwan	NA	NA	NA	NA	NA	NA	NA	NA	23	23
India	NA	NA	NA	NA	NA	NA	NA	NA	119	65
Indonesia	84	422	312	501	630	588	513	409	536	473
Japan	NA	NA	NA	NA	NA	NA	NA	NA	37	26
Malaysia	NA	NA	NA	NA	NA	NA	NA	NA	110	134
Pakistan	NA	NA	NA	NA	NA	NA	NA	NA	13	16
Philippines	NA	NA	NA	NA	NA	NA	NA	NA	18	29
Thailand	NA	NA	NA	NA	NA	NA	NA	NA	8	10
Other	162	157	223	197	180	157	229	295	440	2,492
Asia-Pacific	**246**	**579**	**535**	**698**	**810**	**745**	**742**	**704**	**1,381**	**3,318**
Total World	**36,425**	**35,052**	**37,086**	**37,564**	**43,255**	**49,371**	**53,241**	**58,127**	**64,725**	**69,707**

Well Completions
Total Wells Drilled

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	8,813	6,927	6,464	7,095	8,765	12,564	5,991	7,078	7,849	5,513
Mexico	434	412	336	NA	268	297	247	103	132	82
United States	71,562	91,600	83,092	75,033	85,196	71,108	39,010	35,538	32,479	27,824
North America	**80,809**	**98,939**	**89,892**	**82,128**	**94,229**	**83,969**	**45,248**	**42,719**	**40,460**	**33,419**
Argentina	953	904	822	130	126	1,024	820	416	781	801
Barbados	NA	NA	NA	NA	10	22	11	NA	NA	9
Belize	NA	NA	NA	NA	2	3	NA	NA	NA	NA
Bolivia	23	39	31	19	11	19	18	25	31	31
Brazil	463	668	1,045	883	963	1,074	1,086	950	793	591
Chile	76	118	118	93	81	83	92	104	78	53
Colombia	123	188	167	248	122	156	218	162	284	208
Costa Rica	NA	NA	NA	NA	NA	NA	NA	3	2	1
Cuba	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
Ecuador	23	27	27	NA	25	22	33	30	42	29
Guatemala	NA	NA	NA	NA	NA	NA	4	1	2	NA
Paraguay	NA	NA	NA	NA	NA	NA	1	2	1	1
Peru	540	426	149	NA	150	160	148	152	118	86
Panama	NA	NA	NA	NA	NA	NA	NA	NA	NA	3
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
Suriname	NA	NA	NA	NA	15	12	46	35	57	59
Trinidad	218	243	200	NA	151	197	162	142	142	85
Venezuela	1,275	1,491	1,500	NA	406	361	254	177	235	181
Other	326	380	357	NA	NA	NA	4	1	0	2
Central & South America	**4,020**	**4,484**	**4,416**	**1,373**	**2,062**	**3,133**	**2,897**	**2,200**	**2,566**	**2,143**
Austria	62	72	76	50	49	58	38	34	NA	19
Denmark	11	14	19	30	4	24	22	8	NA	18
France	83	119	132	133	127	172	128	93	NA	73
Germany	121	114	118	82	105	71	56	38	NA	NA
Greece	19	11	18	8	6	7	2	3	NA	4
Holland	NA	NA	NA	NA	23	75	66	34	NA	NA
Ireland	NA	11	4	6	7	6	7	4	NA	5
Italy	85	108	161	118	104	142	200	181	NA	87
Netherlands	128	102	109	70	50	48	23	33	NA	73
North Sea	273	283	283	402	141	462	435	350	NA	105
Norway	84	56	73	63	29	80	98	69	NA	87
Spain	26	40	32	24	23	31	21	13	NA	11
Sweden	23	20	19	15	20	17	5	8	NA	17
Switzerland	NA	NA	NA	NA	NA	NA	NA	1	NA	1
Turkey	89	72	82	77	40	NA	84	31	NA	87
United Kingdom	287	273	152	260	109	336	317	273	NA	212
Yugoslavia	61	149	158	193	133	210	196	128	NA	135
Other	758	810	777	665	NA	NA	0	NA	NA	1
Western Europe	**2,110**	**2,254**	**2,213**	**2,196**	**970**	**1,739**	**1,698**	**1,301**	**NA**	**935**

Well Completions
Total Wells Drilled

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Abu Dhabi	123	146	169	NA	132	NA	85	NA	NA	28
Bahrain	NA	NA	NA	NA	NA	NA	22	24	NA	20
Dubai	13	11	23	NA	4	NA	24	NA	NA	24
Iran	0	0	0	NA	NA	NA	58	NA	NA	NA
Iraq	67	0	0	NA	NA	NA	40	89	106	NA
Israel	NA	NA	NA	11	5	NA	7	4	3	4
Jordan	NA	NA	NA	NA	2	NA	NA	NA	1	NA
Kuwait	36	5	8	NA	11	NA	59	23	1	10
Neutral Zone	4	5	6	NA	NA	NA	NA	NA	NA	NA
Oman	89	110	159	NA	46	NA	210	36	NA	NA
Qatar	53	51	52	NA	8	NA	NA	NA	NA	11
Ras al Khaymah	1	0	1	NA	4	NA	2	NA	NA	NA
Saudi Arabia	223	229	25	NA	NA	NA	33	NA	NA	47
Sharjah	2	4	1	NA	3	NA	NA	NA	NA	NA
Syria	NA	NA	NA	NA	12	NA	35	10	NA	50
Yemen	NA	NA	NA	NA	3	NA	NA	NA	NA	97
Other	207	210	128	NA	NA	NA	NA	NA	NA	NA
Middle East	**818**	**771**	**572**	**11**	**230**	**NA**	**575**	**186**	**111**	**291**
Benin	NA	9	2	4	2	NA	NA	NA	NA	2
Cabinda	NA	NA	NA	NA	32	NA	NA	NA	NA	NA
Cameroon	44	69	75	73	74	32	5	6	8	3
Chad	NA	NA	NA	NA	NA	NA	4	NA	NA	5
Congo	38	37	53	35	39	9	32	35	23	10
Egypt	83	113	132	136	158	184	172	130	152	114
Equitorial Guinea	NA	NA	NA	NA	1	2	1	NA	1	NA
Gabon	40	61	56	51	43	46	21	31	43	52
Ghana	1	3	1	NA	2	3	2	11	NA	3
Ivory Coast	8	20	26	8	7	4	NA	NA	1	1
Kenya	NA	NA	NA	NA	NA	NA	1	2	3	4
Liberia	NA	NA	NA	NA	1	3	NA	NA	NA	NA
Libya	192	157	110	NA	99	NA	41	41	74	87
Morocco	10	14	12	9	6	8	5	7	3	NA
Mozambique	NA	NA	NA	NA	NA	NA	1	NA	1	1
Niger	3	NA	2	2	2	NA	NA	NA	NA	NA
Nigeria	132	202	144	100	89	62	56	72	69	91
Somalia	1	0	3	NA	2	4	1	1	2	1
South Africa	8	15	10	14	17	17	32	17	17	19
Sudan	8	14	17	24	6	6	2	1	NA	4
Tanzania	NA	3	5	3	2	3	NA	2	NA	NA
Togo	NA	NA	NA	NA	1	NA	1	NA	NA	NA
Tunisia	15	36	34	19	25	22	19	25	17	11
Zaire	2	9	8	17	42	37	8	4	6	6
Zambia	NA	NA	NA	NA	NA	NA	NA	2	1	NA
Other	257	369	461	424	NA	NA	4	5	5	6
Africa	**842**	**1,131**	**1,151**	**919**	**650**	**442**	**408**	**392**	**428**	**420**

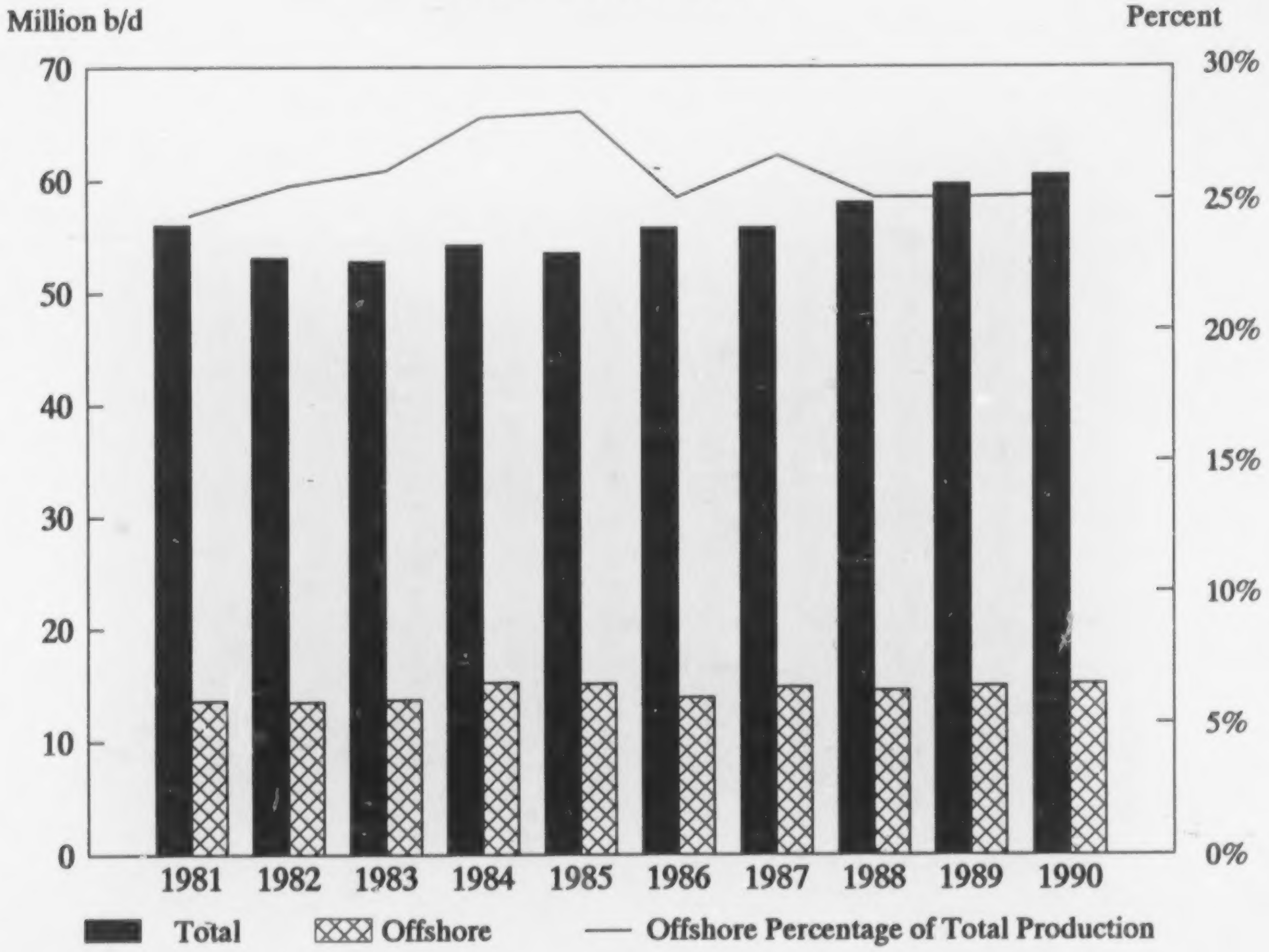
Well Completions
Total Wells Drilled

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Australia	126	232	298	288	380	359	169	282	286	228
Bangladesh	NA	NA	NA	NA	2	2	NA	2	7	4
Brunei	56	45	57	63	61	38	27	20	22	NA
China	NA	NA	NA	NA	NA	5,555	5,525	5,721	5,835	NA
China, Taiwan	30	23	17	18	6	14	19	11	15	NA
India	34	51	NA	NA	185	217	164	316	351	NA
Indonesia	635	727	323	702	756	658	647	586	NA	599
Japan	24	34	30	27	38	27	24	13	13	11
Malaysia	107	114	97	129	103	61	82	80	80	27
Myanmar (Burma)	11	17	19	NA	260	209	93	103	64	NA
New Zealand	5	8	6	21	19	25	24	23	16	13
Pakistan	17	30	26	31	42	76	70	39	65	53
Papua, New Guinea	1	0	NA	4	5	5	NA	NA	15	23
Philippines	25	19	15	5	3	0	0	3	7	8
Thailand	25	21	45	110	115	92	29	51	98	NA
Other	3,443	3,539	592	687	NA	NA	1	0	3	NA
Asia-Pacific	**4,539**	**4,860**	**1,525**	**2,085**	**1,975**	**7,338**	**6,874**	**7,250**	**6,877**	**986**
Total World	**93,138**	**112,438**	**99,769**	**88,712**	**100,116**	**96,821**	**57,700**	**54,048**	**50,440**	**38,174**

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute

Worldwide Crude Oil Production

Total vs Offshore



Source: Offshore Magazine, Minerals Management Service, OGJ

Crude Oil Production
Thousand Barrels per Day

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Canada	1,305.1	1,381.9	1,541.3	1,808.3	1,707.8	1,456.8	1,325.9	1,458.9	1,343.3	1,518.6
Mexico	420.0	433.7	444.0	471.7	557.1	722.3	804.6	996.1	1,206.9	1,461.8
United States	9,658.9	9,636.8	9,521.7	9,210.1	8,888.3	8,348.6	8,094.9	8,231.7	8,670.2	8,678.1
North America	**11,384.0**	**11,452.3**	**11,507.0**	**11,490.0**	**11,153.2**	**10,527.6**	**10,225.4**	**10,686.7**	**11,220.4**	**11,658.5**
Argentina	384.4	417.3	435.9	419.7	416.6	392.1	388.2	436.2	450.6	472.3
Bolivia	14.2	37.2	40.9	46.8	50.4	39.9	42.9	37.9	34.2	31.8
Brazil	168.3	170.4	165.9	166.9	176.3	181.4	171.9	168.3	163.6	163.4
Chile	36.8	34.9	34.4	33.0	30.2	25.0	25.0	24.3	19.2	19.9
Colombia	235.8	228.3	216.7	197.5	175.4	158.8	149.4	138.3	141.7	129.0
Ecuador*	4.6	4.0	67.0	199.4	166.6	161.3	186.7	180.3	201.9	222.3
Peru	64.0	62.5	64.2	69.8	75.0	74.2	75.0	88.3	156.3	190.2
Trinidad	147.1	139.2	149.6	164.6	173.3	197.2	205.0	230.8	234.2	211.8
Venezuela*	3,704.1	3,542.9	3,218.6	3,355.3	2,968.3	2,348.3	2,293.4	2,233.3	2,141.8	2,361.5
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Central & South America	**4,759.3**	**4,636.7**	**4,393.1**	**4,653.0**	**4,232.1**	**3,578.0**	**3,537.5**	**3,537.6**	**3,543.3**	**3,802.1**
Austria	51.8	49.1	44.8	48.0	47.1	39.9	36.5	35.0	35.0	35.0
Denmark	0.0	0.0	3.7	4.0	3.8	3.6	3.0	5.8	10.0	10.5
France	48.3	38.8	31.7	27.9	25.0	21.0	20.0	20.1	20.0	20.0
Germany	147.2	145.6	138.1	129.2	121.8	112.3	110.0	105.1	100.5	95.1
Greece	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Italy	29.0	24.1	22.0	18.9	17.9	19.3	18.8	19.3	17.0	29.9
Netherlands	38.1	32.9	31.3	29.4	30.1	30.5	30.8	29.8	29.6	29.5
Norway	0.0	6.2	33.0	33.1	34.7	188.7	278.8	279.9	355.8	403.6
Spain	4.6	2.5	2.5	19.7	34.4	35.8	40.0	25.2	17.9	18.3
Turkey	69.5	66.0	68.0	68.8	65.8	63.2	64.8	62.1	50.0	51.7
United Kingdom	1.9	1.6	1.6	2.0	2.0	19.3	241.1	767.6	1,081.6	1,571.3
Western Europe	**390.4**	**366.7**	**376.6**	**381.0**	**382.6**	**533.6**	**843.8**	**1,349.8**	**1,717.4**	**2,264.8**
Bahrain	76.6	74.9	69.8	68.3	67.4	61.4	58.3	56.0	53.3	50.1
Iran*	3,831.4	4,530.2	4,937.5	5,862.0	6,025.9	5,355.1	5,881.7	5,665.8	5,210.3	3,029.2
Iraq*	1,563.5	1,719.9	1,448.1	1,963.0	1,772.8	2,246.1	2,160.8	2,233.3	2,629.2	3,450.0
Kuwait*	2,734.1	2,947.0	3,280.1	3,019.1	2,548.6	2,071.3	1,915.0	1,721.8	1,864.8	2,199.2
Neutral Zone* +	498.3	541.8	0.0	0.0	0.0	34.1	471.0	365.5	456.9	566.4
Oman	333.2	289.2	281.7	292.7	290.5	341.5	365.6	340.8	314.7	294.8
Qatar*	367.2	428.9	481.9	573.3	518.8	441.4	486.4	439.1	483.1	506.4
Saudi Arabia*	3,549.7	4,516.4	6,012.7	7,593.0	8,478.3	7,054.8	8,341.3	9,025.0	8,062.5	9,250.0
Syria	65.0	109.0	120.0	100.0	134.6	165.4	175.0	202.5	190.4	169.2
United Arab Emirates*	777.9	1,048.3	1,202.3	1,522.8	1,680.7	1,691.3	1,939.9	2,012.3	1,833.1	1,830.4
Yemen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	70.4	130.2	120.0	92.5	100.0	75.0	1.0	1.0	11.0	33.8
Middle East	**13,867.2**	**16,335.8**	**17,954.1**	**21,086.7**	**21,617.5**	**19,537.3**	**21,795.9**	**22,063.1**	**21,109.3**	**21,379.4**

Crude Oil Production
Thousand Barrels per Day

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Algeria*	975.4	650.8	1,008.3	1,056.7	926.7	875.0	1,004.2	1,030.8	1,093.8	1,102.1
Angola	83.8	109.6	139.0	152.2	167.9	162.6	138.3	177.5	166.3	136.7
Cameroon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	18.3
Congo	0.5	0.5	5.2	39.2	35.8	36.3	39.8	35.4	33.0	43.2
Egypt	326.2	299.3	216.7	172.9	142.3	214.3	325.5	416.9	483.8	506.7
Gabon*	104.2	115.2	114.7	151.0	175.6	200.0	212.5	224.2	225.0	215.3
Lybia*	3,323.3	2,763.9	2,215.9	2,187.9	1,542.0	1,498.1	1,915.2	2,047.0	1,987.3	2,059.3
Nigeria*	1,083.7	1,526.3	1,816.9	2,043.7	2,246.2	1,777.8	2,070.3	2,089.5	1,916.3	2,307.0
Tunisia	81.8	85.3	84.5	84.4	83.2	96.7	77.4	100.0	100.0	100.0
Zaire	0.0	0.0	0.0	0.0	0.0	1.7	18.3	22.5	22.9	20.6
Other	1.6	0.9	0.5	0.3	1.2	1.0	1.0	1.0	1.0	1.0
Africa	**5,980.4**	**5,551.7**	**5,601.7**	**5,888.3**	**5,320.8**	**4,863.4**	**5,802.6**	**6,144.8**	**6,038.6**	**6,510.2**
Australia	166.5	327.1	336.5	419.0	406.4	412.3	425.9	430.8	431.6	439.8
Brunei	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
India	138.8	141.4	147.9	149.2	150.0	161.3	174.2	200.0	225.8	245.0
Indonesia*	854.6	903.7	1,056.5	1,300.1	1,393.6	1,319.5	1,505.9	1,685.6	1,643.3	1,598.6
Japan	16.0	16.3	15.4	15.0	15.0	13.0	12.0	10.0	10.0	9.3
Malaysia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myanmar (Burma)	17.5	18.8	18.3	20.5	20.0	20.0	21.3	24.7	25.0	27.2
New Zealand	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pakistan	10.0	10.0	9.1	8.8	8.5	7.8	6.9	10.0	10.0	10.0
Thailand	0.3	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0
Other	1.1	2.0	2.0	2.0	2.3	4.1	5.0	5.0	5.0	6.3
Asia-Pacific	**1,204.7**	**1,419.8**	**1,586.0**	**1,914.8**	**1,996.0**	**1,938.0**	**2,151.2**	**2,366.1**	**2,350.8**	**2,336.2**
China	210.0	326.7	525.8	645.8	970.0	1,450.0	1,652.1	1,780.8	1,916.7	2,129.2
Romania	270.0	270.0	275.4	276.3	285.8	290.0	290.0	276.3	300.0	276.7
USSR	7,048.6	7,435.3	7,850.3	8,417.8	9,164.0	9,823.3	10,359.3	10,926.9	11,416.6	11,706.3
Other	81.3	88.3	85.0	100.4	110.0	110.0	110.0	110.0	190.0	186.7
Communist	**7,609.8**	**8,120.3**	**8,736.5**	**9,440.3**	**10,529.8**	**11,673.3**	**12,411.3**	**13,094.0**	**13,823.3**	**14,298.8**
Total World	**45,195.8**	**47,883.5**	**50,155.0**	**54,854.2**	**55,231.9**	**52,651.3**	**56,767.7**	**59,242.0**	**59,803.0**	**62,250.0**
OPEC	**23,372.0**	**25,239.3**	**26,860.5**	**30,827.3**	**30,443.9**	**27,073.9**	**30,384.3**	**30,953.3**	**29,749.2**	**30,697.8**
North Sea	**NA**	**7.8**	**38.2**	**39.1**	**40.5**	**230.9**	**522.9**	**1,053.3**	**1,447.4**	**1,985.3**

Crude Oil Production
Thousand Barrels per Day

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	1,410.1	1,285.5	1,240.9	1,383.9	1,405.7	1,455.8	1,463.7	1,513.5	1,610.0	1,575.0
Mexico	1,940.5	2,311.8	2,745.8	2,686.8	2,752.8	2,734.0	2,425.3	2,540.7	2,605.3	2,612.9
United States	8,586.8	8,580.6	8,656.7	8,674.1	8,878.8	8,972.1	8,684.5	8,295.3	8,078.1	7,632.6
North America	**11,937.3**	**12,177.8**	**12,643.4**	**12,744.8**	**13,037.3**	**13,161.9**	**12,573.5**	**12,349.4**	**12,293.3**	**11,820.5**
Argentina	487.2	496.4	484.3	478.9	467.3	448.2	429.5	421.8	449.9	459.5
Bolivia	29.7	24.7	26.0	20.3	20.3	20.8	18.7	18.8	19.0	19.8
Brazil	186.2	214.7	256.3	328.0	458.7	546.4	575.2	566.3	552.8	596.4
Chile	29.7	40.2	43.3	39.3	38.2	33.4	31.3	27.7	24.8	22.3
Colombia	125.0	125.0	140.0	150.9	167.1	175.5	305.6	385.9	374.9	409.3
Ecuador*	222.1	211.5	209.2	233.0	258.8	275.7	285.0	173.9	303.9	279.3
Peru	191.6	193.5	195.8	170.5	183.6	188.4	177.6	163.9	141.8	129.9
Trinidad	215.6	240.0	181.0	162.2	169.6	176.4	167.4	160.5	150.7	152.7
Venezuela*	2,157.2	2,108.6	1,889.0	1,775.8	1,710.3	1,645.8	1,635.8	1,580.8	1,648.6	1,727.6
Other	4.6	5.0	5.0	6.4	4.7	3.1	4.9	3.6	6.2	8.5
Central & South America	**3,648.7**	**3,659.5**	**3,429.9**	**3,365.2**	**3,478.5**	**3,513.7**	**3,630.9**	**3,503.3**	**3,672.6**	**3,805.4**
Austria	28.7	25.0	25.0	24.0	23.1	21.8	22.2	21.5	23.7	22.5
Denmark	7.3	15.3	35.3	43.3	45.4	58.9	73.1	93.3	95.8	111.6
France	26.7	34.0	33.5	35.0	35.0	50.8	58.8	64.1	67.3	65.0
Germany	89.8	85.4	82.2	80.9	79.6	81.4	79.4	74.9	77.3	74.3
Greece	1.3	7.9	21.0	23.8	26.3	26.2	24.5	23.8	20.7	18.3
Italy	38.6	36.8	36.8	45.0	45.0	38.0	49.0	58.3	83.8	86.5
Netherlands	25.3	26.6	27.8	49.8	60.6	66.8	76.3	90.9	75.6	67.3
Norway	526.6	502.0	490.5	610.0	692.0	783.3	850.4	993.5	1,098.7	1,472.3
Spain	29.6	24.0	30.0	58.0	47.0	45.3	37.4	32.5	29.3	20.3
Turkey	43.9	46.7	50.0	43.9	40.9	41.6	46.5	51.3	47.3	55.3
United Kingdom	1,626.4	1,811.2	2,061.2	2,284.7	2,501.1	2,533.1	2,534.8	2,441.0	2,269.3	1,780.9
Western Europe	**2,444.0**	**2,614.8**	**2,893.2**	**3,298.3**	**3,596.0**	**3,747.2**	**3,852.3**	**3,945.2**	**3,888.6**	**3,774.4**
Bahrain	48.2	44.5	43.9	41.3	41.2	41.8	42.0	42.4	42.8	42.7
Iran*	1,454.2	1,333.3	1,991.7	2,466.7	2,175.0	2,241.7	1,850.0	2,309.2	2,236.7	2,947.5
Iraq*	2,687.5	916.3	916.7	883.3	1,208.3	1,447.5	1,690.8	2,135.0	2,689.2	2,890.0
Kuwait*	1,323.6	940.0	666.7	887.5	945.8	862.5	1,241.7	1,120.8	1,333.3	1,591.7
Neutral Zone* +	519.7	372.3	304.7	391.2	425.5	352.5	337.5	387.1	312.9	397.1
Oman	285.8	319.3	321.5	375.6	410.2	482.2	541.7	556.3	605.0	620.0
Qatar*	459.8	405.7	331.0	294.4	397.4	298.8	331.7	280.3	345.8	388.5
Saudi Arabia*	9,504.2	9,641.7	6,375.0	4,850.0	4,466.7	3,283.3	4,833.3	4,025.0	4,941.7	4,991.7
Syria	165.4	166.7	160.0	166.4	170.0	177.5	193.8	231.7	255.8	324.2
United Arab Emirates*	1,680.5	1,513.0	1,229.8	1,109.2	1,151.2	1,141.7	1,327.5	1,399.6	1,470.8	1,862.5
Yemen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170.0	188.3
Other	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	0.3
Middle East	**18,129.7**	**15,653.6**	**12,341.8**	**11,466.5**	**11,392.3**	**10,330.4**	**12,390.9**	**12,488.3**	**14,405.3**	**16,244.4**

Crude Oil Production
Thousand Barrels per Day

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria*	1,004.2	812.5	774.6	685.0	608.3	647.1	622.0	652.4	641.7	706.7
Angola	148.3	130.0	121.9	172.3	207.8	229.5	277.3	351.0	451.0	458.5
Cameroon	58.7	87.8	109.0	114.1	125.2	133.8	180.4	170.8	177.5	170.8
Congo	57.9	78.5	87.0	87.0	157.5	97.9	115.0	118.7	134.9	151.8
Egypt	594.7	598.3	667.8	726.5	784.9	891.6	810.3	898.3	848.1	854.5
Gabon*	178.2	150.8	140.8	148.3	150.0	152.5	159.0	157.3	167.1	213.3
Lybia*	1,707.9	1,107.5	1,200.0	1,018.3	1,091.7	1,047.5	1,037.3	1,093.8	1,025.0	1,129.2
Nigeria*	2,011.0	1,436.7	1,289.7	1,233.8	1,418.8	1,481.7	1,464.0	1,254.5	1,390.0	1,616.7
Tunisia	110.8	118.0	120.0	120.0	120.0	117.6	104.6	102.8	102.0	103.6
Zaire	20.5	19.5	22.0	24.0	27.1	27.2	22.1	31.0	29.3	27.0
Other	2.0	6.2	6.8	23.8	28.0	29.0	21.0	17.7	14.8	7.9
Africa	**5,894.2**	**4,545.8**	**4,539.6**	**4,353.0**	**4,719.2**	**4,855.3**	**4,812.8**	**4,848.4**	**4,981.3**	**5,440.0**
Australia	377.1	392.6	371.8	416.4	489.8	561.9	502.8	548.5	526.3	506.6
Brunei	224.6	165.0	153.0	155.0	160.0	154.2	165.0	143.8	137.2	142.4
India	192.5	291.0	390.3	430.0	528.3	605.4	625.0	610.3	634.8	675.8
Indonesia*	1,570.8	1,603.8	1,344.8	1,301.1	1,360.8	1,242.3	1,256.7	1,185.8	1,137.5	1,222.9
Japan	9.6	7.7	8.0	8.3	8.1	10.6	13.0	12.5	12.0	11.1
Malaysia	286.3	264.2	306.3	366.3	425.0	440.4	507.1	478.9	540.0	564.0
Myanmar (Burma)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	23.7	15.0	12.5
New Zealand	7.3	9.6	14.8	14.8	16.8	18.8	28.6	28.3	28.0	28.0
Pakistan	10.0	10.0	12.0	12.3	17.4	34.0	40.8	42.3	47.2	46.7
Thailand	0.0	0.0	0.0	6.3	18.1	34.3	34.8	32.1	37.0	38.7
Other	4.5	3.0	3.0	3.0	3.0	2.4	2.0	2.3	7.9	8.0
Asia-Pacific	**2,712.6**	**2,776.8**	**2,633.9**	**2,743.4**	**3,057.3**	**3,134.2**	**3,205.8**	**3,108.4**	**3,122.9**	**3,256.6**
China	2,108.3	2,012.5	2,040.0	2,101.6	2,262.2	2,449.7	2,552.8	2,670.8	2,726.1	2,752.2
Romania	248.3	230.0	230.0	242.5	254.2	234.3	223.1	215.0	210.5	183.3
USSR	12,023.3	12,174.2	12,279.2	12,328.8	12,234.5	11,904.3	12,298.7	12,464.8	12,480.3	12,166.5
Other	189.2	179.2	155.0	214.2	235.2	234.5	212.0	210.2	220.1	214.0
Communist	**14,569.2**	**14,595.8**	**14,704.2**	**14,887.1**	**14,986.0**	**14,822.8**	**15,286.6**	**15,560.7**	**15,637.0**	**15,316.0**
Total World	**59,335.6**	**56,024.2**	**53,186.0**	**52,858.3**	**54,266.6**	**53,565.3**	**55,752.8**	**55,803.7**	**58,001.0**	**59,657.3**
OPEC	**26,480.6**	**22,553.5**	**18,663.4**	**17,277.5**	**17,368.5**	**16,120.4**	**18,072.3**	**17,755.6**	**19,644.2**	**21,984.6**
North Sea	**2,155.4**	**2,323.6**	**2,583.5**	**2,952.8**	**3,265.4**	**3,412.2**	**3,500.4**	**3,578.2**	**3,513.9**	**3,402.3**

Crude Oil Production
Thousand Barrels per Day

	1990
Canada	1,508.4
Mexico	2,647.8
United States	7,309.2
North America	**11,465.4**
Argentina	478.6
Bolivia	20.6
Brazil	636.8
Chile	20.3
Colombia	444.8
Ecuador*	286.0
Peru	127.8
Trinidad	150.0
Venezuela*	2,112.2
Other	9.0
Central & South America	**4,286.1**
Austria	21.6
Denmark	120.5
France	61.8
Germany	71.3
Greece	15.0
Italy	97.5
Netherlands	67.7
Norway	1,620.5
Spain	13.8
Turkey	72.2
United Kingdom	1,813.3
Western Europe	**3,975.2**
Bahrain	41.8
Iran*	3,143.3
Iraq*	2,055.5
Kuwait*	1,090.8
Neutral Zone* +	309.6
Oman	664.2
Qatar*	383.3
Saudi Arabia*	6,300.0
Syria	392.5
United Arab Emirates*	2,118.3
Yemen	190.4
Other	0.0
Middle East	**16,689.8**

Crude Oil Production
Thousand Barrels per Day

	1990
Algeria*	793.3
Angola	478.5
Cameroon	164.3
Congo	155.2
Egypt	874.4
Gabon*	273.3
Lybia*	1,356.7
Nigeria*	1,791.7
Tunisia	95.1
Zaire	28.8
Other	5.5
Africa	**6,016.8**
Australia	562.3
Brunei	141.4
India	662.9
Indonesia*	1,284.2
Japan	10.8
Malaysia	613.8
Myanmar (Burma)	11.8
New Zealand	36.7
Pakistan	61.6
Thailand	42.2
Other	9.2
Asia-Pacific	**3,436.9**
China	2,757.8
Romania	170.8
USSR	11,446.3
Other	210.2
Communist	**14,585.1**
Total World	**60,454.7**
OPEC	**23,298.1**
North Sea	**3,580.8**

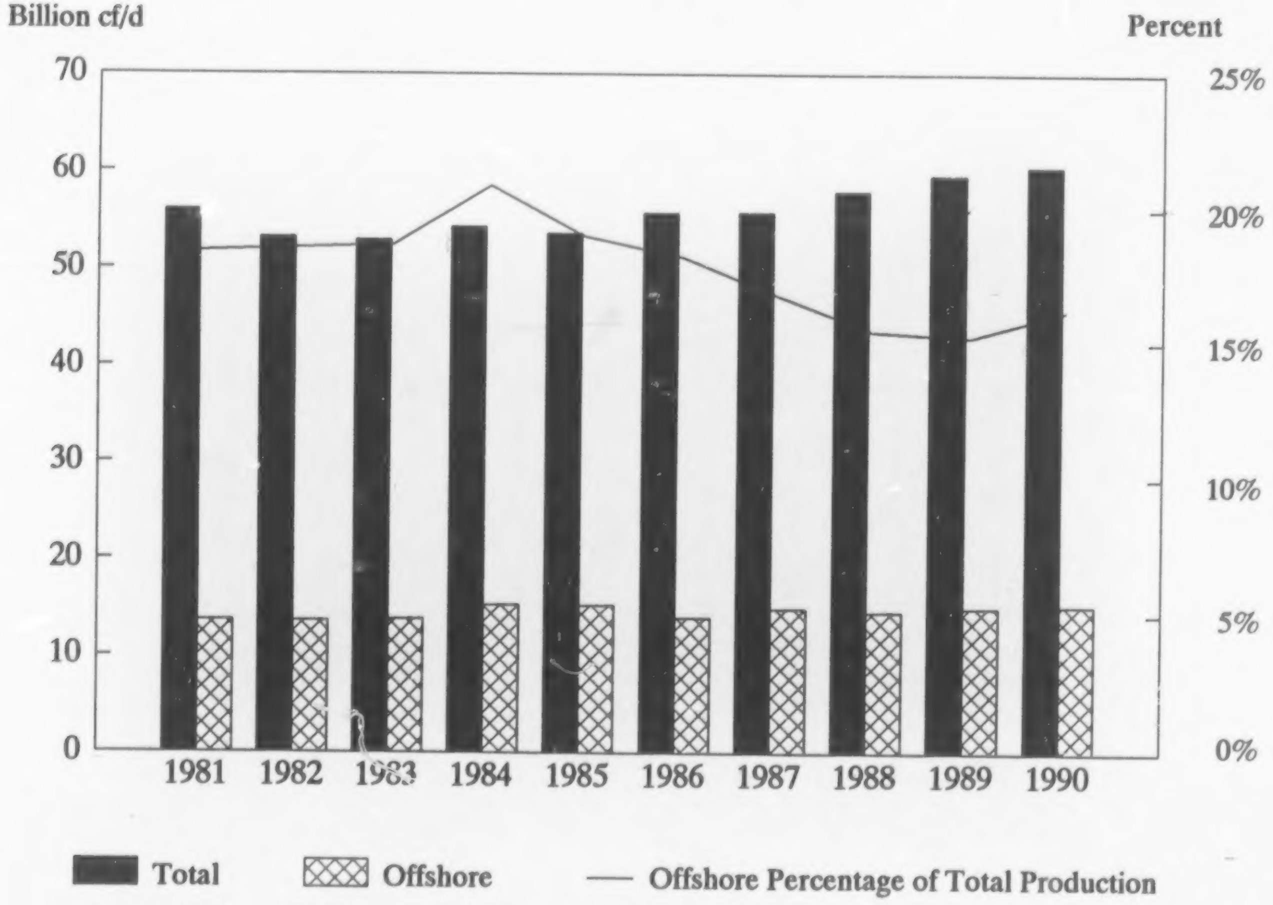
* OPEC member

+ Production shared equally by Kuwait and Saudi Arabia. For years 1972-1975 production included with Kuwait and Saudi Arabia.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Natural Gas Production

Total vs Offshore



Source: Offshore Magazine, Minerals Management Service, OGJ

Natural Gas Production
Billion Cubic Feet

	1971	1972	1973	1974	1975	1976	1977	1978	1979
Canada	2,545.2	2,861.3	3,241.4	3,341.7	3,422.2	3,156.7	2,301.4	3,133.1	3,646.5
Mexico	650.4	686.6	686.2	686.4	771.5	790.8	745.3	887.5	974.9
United States	22,659.3	23,122.9	22,854.0	22,457.1	20,829.0	19,992.8	20,337.5	20,415.1	19,999.4
North America	**25,854.9**	**26,670.8**	**26,781.6**	**26,485.2**	**25,022.7**	**23,940.3**	**23,384.2**	**24,435.7**	**24,620.8**
Argentina	192.7	226.5	241.6	278.4	273.4	280.2	250.0	254.3	241.7
Bolivia	111.9	107.8	151.5	152.2	111.9	143.5	118.3	130.8	122.5
Brazil	43.6	41.2	48.1	47.3	56.2	57.2	61.0	85.2	77.0
Chile	233.4	290.7	238.2	212.3	138.9	175.4	208.9	320.7	306.4
Colombia	83.6	117.6	126.2	105.8	73.7	74.8	109.7	127.4	116.3
Ecuador*	3.2	4.0	6.4	5.3	6.0	14.8	21.0	99.9	159.4
Peru	0.6	1.1	65.9	73.3	44.5	25.5	59.3	66.4	41.2
Trinidad	117.4	125.2	137.4	65.0	50.8	85.8	150.0	159.9	164.6
Venezuela*	1,439.1	1,667.9	1,741.4	1,066.2	405.0	396.0	392.8	401.4	406.0
Central & South America	**2,225.5**	**2,582.0**	**2,756.7**	**2,005.8**	**1,160.4**	**1,253.2**	**1,371.0**	**1,646.0**	**1,635.1**
Austria	67.7	72.3	72.2	87.6	70.7	77.8	80.8	65.2	79.2
France	263.2	268.6	258.5	303.6	267.2	250.7	256.8	231.6	239.2
Germany	510.0	583.2	590.1	674.1	690.4	544.0	912.7	602.3	709.3
Italy	440.8	482.0	486.9	572.2	532.9	562.1	448.6	743.3	533.6
Netherlands	1,690.4	2,050.8	2,589.7	2,867.5	3,198.7	3,542.8	2,932.5	1,653.5	2,717.8
Norway+	NA	NA	NA	NA	NA	NA	59.7	351.8	419.9
Spain	NA	NA	NA	NA	NA	NA	8.6	24.5	25.6
Turkey	NA	NA	NA	NA	NA	NA	12.8	36.4	21.8
United Kingdom+	589.1	836.6	1,151.6	1,207.1	1,231.1	1,202.3	1,499.9	1,262.4	1,965.7
Western Europe	**3,561.2**	**4,293.5**	**5,149.0**	**5,712.1**	**5,991.0**	**6,179.7**	**6,212.4**	**4,971.0**	**6,712.1**
Bahrain	16.0	8.6	20.3	3.3	3.1	2.2	109.3	116.2	65.0
Iran*	1,345.1	1,429.7	1,693.8	1,484.5	1,493.6	1,699.8	1,756.1	1,746.9	913.3
Iraq*	18.8	3.4	155.3	129.3	122.2	113.8	141.0	115.7	48.8
Kuwait*	NA	128.4	47.0	1.6	175.2	185.7	186.1	188.0	205.5
Oman	NA	NA	NA	NA	NA	NA	129.5	107.2	35.9
Qatar*	0.8	0.8	7.3	1.7	5.3	50.4	70.5	46.7	26.9
Saudi Arabia*	NA	NA	NA	NA	NA	NA	121.0	102.2	208.6
Syria	NA	NA	NA	NA	NA	NA	41.9	56.1	33.1
Other	3.1	4.3	3.1	4.2	2.3	1.9	2.3	1.5	2.1
Middle East	**1,383.8**	**1,575.2**	**1,926.8**	**1,624.6**	**1,801.7**	**2,053.8**	**2,557.7**	**2,480.5**	**1,539.2**

Natural Gas Production
Billion Cubic Feet

	1971	1972	1973	1974	1975	1976	1977	1978	1979
Algeria*	NA	NA	NA	NA	NA	173.4	284.5	328.7	338.5
Angola	NA	NA	NA	NA	NA	41.2	81.6	62.2	17.0
Congo	NA	NA	NA	NA	NA	3.1	7.1	3.9	0.2
Egypt	NA	NA	NA	NA	NA	49.0	93.0	105.6	90.4
Gabon*	NA	NA	NA	NA	NA	0.8	2.9	2.9	3.5
Lybia*	NA	NA	NA	NA	NA	262.2	488.6	364.0	162.0
Nigeria*	NA	NA	NA	NA	NA	329.6	717.4	586.6	365.6
Tunisia	NA	NA	NA	NA	NA	83.1	76.0	92.7	85.0
Other	NA	NA	NA	NA	NA	8.4	29.6	11.4	2.2
Africa	**NA**	**NA**	**NA**	**NA**	**NA**	**950.8**	**1,780.7**	**1,558.0**	**1,064.4**
Australia	68.1	110.9	149.3	160.1	182.8	200.0	236.7	239.2	254.1
India	16.0	35.9	18.5	18.5	36.0	41.5	51.9	54.9	55.1
Indonesia*	113.2	137.4	129.1	166.6	202.6	248.6	351.9	565.8	816.3
Japan	85.4	91.0	87.2	95.5	95.6	97.7	73.6	97.5	86.6
Myanmar (Burma)	2.2	3.6	6.7	6.1	4.7	5.0	5.9	5.2	5.4
New Zealand	1.9	0.4	0.0	1.1	26.5	53.3	97.2	61.8	42.1
Pakistan	121.1	129.0	128.1	141.9	155.3	145.6	170.4	163.0	180.5
Other	85.2	107.2	98.6	128.3	83.4	92.3	159.6	113.0	77.0
Asia-Pacific	**493.1**	**615.4**	**617.5**	**718.1**	**786.9**	**884.0**	**1,147.2**	**1,300.4**	**1,517.1**
China	149.5	140.1	158.1	187.5	368.4	414.0	464.4	517.2	526.8
Romania	773.9	1,169.6	1,302.5	935.7	935.0	854.6	1,005.5	1,211.6	1,210.5
USSR	7,470.4	7,828.0	8,291.5	9,154.5	10,350.2	11,330.4	12,497.6	13,207.9	14,458.6
Other	216.3	316.5	631.1	500.8	522.2	741.0	812.1	975.3	1,181.1
Communist	**8,610.1**	**9,454.2**	**10,383.2**	**10,778.5**	**12,175.8**	**13,340.0**	**14,779.6**	**15,912.0**	**17,377.0**
Total World	**42,128.6**	**45,191.1**	**47,614.8**	**47,324.3**	**46,938.5**	**48,601.8**	**51,232.8**	**52,303.6**	**54,465.7**
OPEC	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
North-Sea	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Natural Gas Production
Billion Cubic Feet

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	2,934.9	2,623.0	2,629.1	2,429.2	2,600.0	3,196.3	3,406.4	3,215.5	3,915.5	4,195.7
Mexico	1,190.5	1,485.4	1,544.8	1,477.4	1,373.3	1,312.2	1,252.4	1,277.4	1,308.5	1,307.4
United States	20,267.6	19,595.8	18,904.5	17,072.0	18,093.0	17,611.0	16,906.0	17,004.0	17,458.0	17,632.0
North America	**24,393.0**	**23,704.2**	**23,078.4**	**20,978.6**	**22,066.3**	**22,119.5**	**21,564.8**	**21,496.9**	**22,682.0**	**23,135.1**
Argentina	298.7	348.3	383.4	553.7	652.8	672.9	663.1	659.0	739.7	825.7
Bolivia	128.1	151.7	132.2	98.5	91.8	87.8	98.5	98.2	104.2	101.0
Brazil	84.7	96.3	106.2	142.2	172.9	193.3	200.6	203.7	198.5	113.9
Chile	113.5	140.7	178.5	169.8	173.8	208.5	213.4	70.7	56.6	43.8
Colombia	127.8	114.0	105.9	168.5	189.2	185.1	183.3	178.3	173.5	168.1
Ecuador*	101.8	89.0	8.2	8.2	16.8	15.6	2.6	2.3	3.5	3.6
Peru	40.4	24.8	29.6	33.6	35.4	44.4	45.0	46.0	46.1	46.0
Trinidad	188.6	192.0	129.7	103.0	121.9	114.7	121.3	132.7	150.2	176.3
Venezuela*	518.2	602.0	576.3	559.2	609.6	609.6	615.3	681.7	722.9	775.1
Other	NA	NA	NA	0.0	1.1	1.2	1.2	1.2	0.9	1.1
Central & South America	**1,601.8**	**1,758.8**	**1,650.0**	**1,836.7**	**2,065.3**	**2,133.1**	**2,144.3**	**2,073.8**	**2,196.1**	**2,254.6**
Austria	60.6	89.1	48.9	40.2	44.8	40.8	39.6	40.3	43.8	45.0
Denmark+	NA	NA	NA	19.0	21.4	39.7	60.2	85.5	84.5	100.3
France	264.4	275.2	332.6	289.3	373.4	263.7	149.7	136.7	113.8	108.8
Germany	738.6	635.9	591.3	600.2	674.3	608.0	553.7	659.1	551.7	567.1
Greece	NA	NA	NA	0.0	1.7	1.3	1.9	3.5	3.3	3.1
Italy	524.6	500.0	500.9	456.9	506.8	489.1	527.3	695.9	703.7	707.4
Netherlands	2,799.6	3,053.8	2,713.2	2,697.2	2,700.7	2,916.4	2,623.3	2,731.2	2,412.9	2,581.1
Norway+	705.2	923.7	858.4	858.3	922.6	904.[illegible]	902.6	985.6	1,003.5	1,014.8
Spain	12.6	11.4	12.0	12.0	8.0	10.1	12.7	25.9	34.9	52.4
Turkey	12.0	12.0	7.1	10.2	37.6	51.8	16.4	13.1	3.7	4.4
United Kingdom+	2,136.1	1,427.2	1,293.1	1,451.8	1,405.2	1,502.1	1,568.2	1,711.2	1,706.2	1,560.1
Western Europe	**7,253.7**	**6,928.3**	**6,357.5**	**6,435.1**	**6,696.5**	**6,827.2**	**6,455.6**	**7,088.0**	**6,662.0**	**6,744.5**
Bahrain	90.0	172.9	179.3	193.8	194.3	226.3	215.7	175.6	184.9	193.8
Iran*	289.0	53.0	269.1	498.0	460.0	440.0	489.3	647.6	619.9	793.9
Iraq*	18.0	71.0	38.3	20.1	18.5	21.6	21.0	46.2	110.4	200.8
Kuwait*	291.3	339.9	219.4	144.7	144.0	144.0	144.4	162.1	174.6	222.8
Neutral Zone*	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oman	12.0	12.0	49.1	86.4	142.0	80.0	48.2	62.4	73.2	80.4
Qatar*	38.2	205.0	168.9	87.1	98.0	200.0	206.2	165.6	204.2	256.3
Saudi Arabia*	310.2	435.0	493.1	384.2	386.0	232.0	328.7	802.5	899.3	1,079.8
Syria	17.0	13.0	9.2	8.4	8.4	6.0	4.8	8.8	22.9	24.5
United Arab Emirates*	139.3	227.9	308.0	203.7	265.0	316.0	362.1	574.3	600.0	790.7
Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0
Other	1.2	1.3	7.2	13.1	10.4	2.4	2.4	2.1	1.0	1.3
Middle East	**1,206.2**	**1,531.0**	**1,741.6**	**1,639.5**	**1,726.6**	**1,668.3**	**1,822.8**	**2,847.2**	**2,890.4**	**3,644.3**

Natural Gas Production
Billion Cubic Feet

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria*	517.0	1,148.8	793.0	706.8	810.0	1,300.0	1,238.3	1,417.2	1,542.5	1,576.4
Angola	1.2	7.3	9.9	59.1	78.4	12.0	8.0	7.2	7.8	15.1
Cameroon	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Congo	NA	NA	NA	0.0	0.2	1.2	1.1	0.0	0.0	0.0
Egypt	31.0	29.0	65.8	103.0	108.0	132.0	157.5	195.2	197.3	225.8
Gabon*	7.1	4.1	3.8	4.8	4.8	8.1	2.4	2.4	2.4	3.2
Lybia*	132.8	674.7	204.1	98.8	150.0	158.0	165.6	200.7	198.0	182.0
Nigeria*	187.6	66.0	44.4	131.8	157.0	88.0	72.8	94.5	126.0	134.6
Tunisia	6.0	9.3	15.0	16.8	18.0	16.4	15.4	13.8	13.1	13.0
Zaire	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	2.0	7.6	7.1	3.6	3.6	5.0	2.6	2.0	1.9	2.6
Africa	**884.7**	**1,946.8**	**1,143.1**	**1,124.7**	**1,330.0**	**1,720.7**	**1,663.7**	**1,933.0**	**2,089.0**	**2,152.7**
Australia	275.3	377.3	411.5	417.2	447.7	476.3	520.7	533.7	546.7	615.9
Brunei	292.0	303.0	321.5	315.5	313.0	306.0	274.8	289.1	307.9	317.6
India	74.9	47.3	83.4	102.9	102.5	110.6	212.9	269.1	312.2	372.3
Indonesia*	1,028.4	1,075.0	865.6	488.0	596.0	944.0	1,153.3	1,220.3	1,223.7	1,345.7
Japan	90.9	112.1	83.4	73.7	74.3	79.0	74.3	76.7	68.3	63.7
Malaysia	36.4	47.6	27.3	45.2	60.0	171.2	218.8	460.9	464.8	524.6
Myanmar (Burma)	12.2	12.0	14.8	16.8	17.0	21.6	23.8	31.7	32.0	34.5
New Zealand	45.0	55.2	103.3	112.3	135.0	170.9	191.7	190.6	189.0	174.6
Pakistan	352.4	600.0	335.5	340.3	354.1	355.7	395.3	420.3	441.7	439.8
Thailand	NA	NA	NA	54.2	78.3	121.1	114.5	162.1	193.2	187.1
Other	112.8	137.0	182.4	218.2	207.0	148.1	137.0	135.7	230.8	301.8
Asia-Pacific	**2,320.3**	**2,766.5**	**2,428.7**	**2,184.3**	**2,384.9**	**2,904.5**	**3,317.1**	**3,790.2**	**4,010.3**	**4,377.6**
China	525.6	528.0	531.6	554.4	596.4	652.8	682.8	723.9	715.3	580.1
Romania	1,176.4	1,440.0	1,157.2	1,183.9	1,206.0	1,272.0	1,210.2	1,267.8	1,318.8	1,236.6
USSR	15,298.3	16,325.1	17,720.6	18,963.1	20,714.0	22,701.4	24,272.3	25,672.1	27,300.8	28,223.7
Other	1,069.0	890.0	946.0	1,032.3	900.0	940.0	1,016.2	1,072.2	1,087.3	1,054.1
Communist	**18,069.3**	**19,183.1**	**20,355.4**	**21,733.7**	**23,416.4**	**25,566.2**	**27,181.5**	**28,736.0**	**30,422.2**	**31,094.5**
Total World	**55,729.0**	**57,818.7**	**56,754.7**	**55,932.6**	**59,686.0**	**62,939.5**	**64,149.8**	**67,765.1**	**70,952.0**	**73,403.3**
OPEC	**3,578.9**	**4,991.4**	**3,992.2**	**3,335.4**	**3,715.7**	**4,476.9**	**4,802.0**	**6,017.4**	**6,427.4**	**7,364.9**
North Sea	**NA**	**NA**	**NA**	**2,329.1**	**2,349.2**	**2,446.0**	**2,531.0**	**2,782.3**	**2,794.2**	**2,675.2**

Natural Gas Production
Billion Cubic Feet

	1990
Canada	4,255.4
Mexico	1,332.7
United States	18,088.0
North America	**23,676.1**
Argentina	805.0
Bolivia	108.9
Brazil	113.3
Chile	39.2
Colombia	141.5
Ecuador*	3.6
Peru	46.0
Trinidad	177.7
Venezuela*	862.0
Other	1.2
Central & South America	**2,298.4**
Austria	38.3
Denmark+	101.4
France	116.1
Germany	565.6
Greece	3.1
Italy	736.8
Netherlands	2,618.1
Norway+	901.6
Spain	46.8
Turkey	7.5
United Kingdom+	1,725.9
Western Europe	**6,861.2**
Bahrain	209.9
Iran*	854.7
Iraq*	140.7
Kuwait*	147.8
Neutral Zone*	0.0
Oman	88.2
Qatar*	265.1
Saudi Arabia*	1,314.3
Syria	25.8
United Arab Emirates*	1,092.1
Yemen	0.0
Other	12.1
Middle East	**4,150.7**

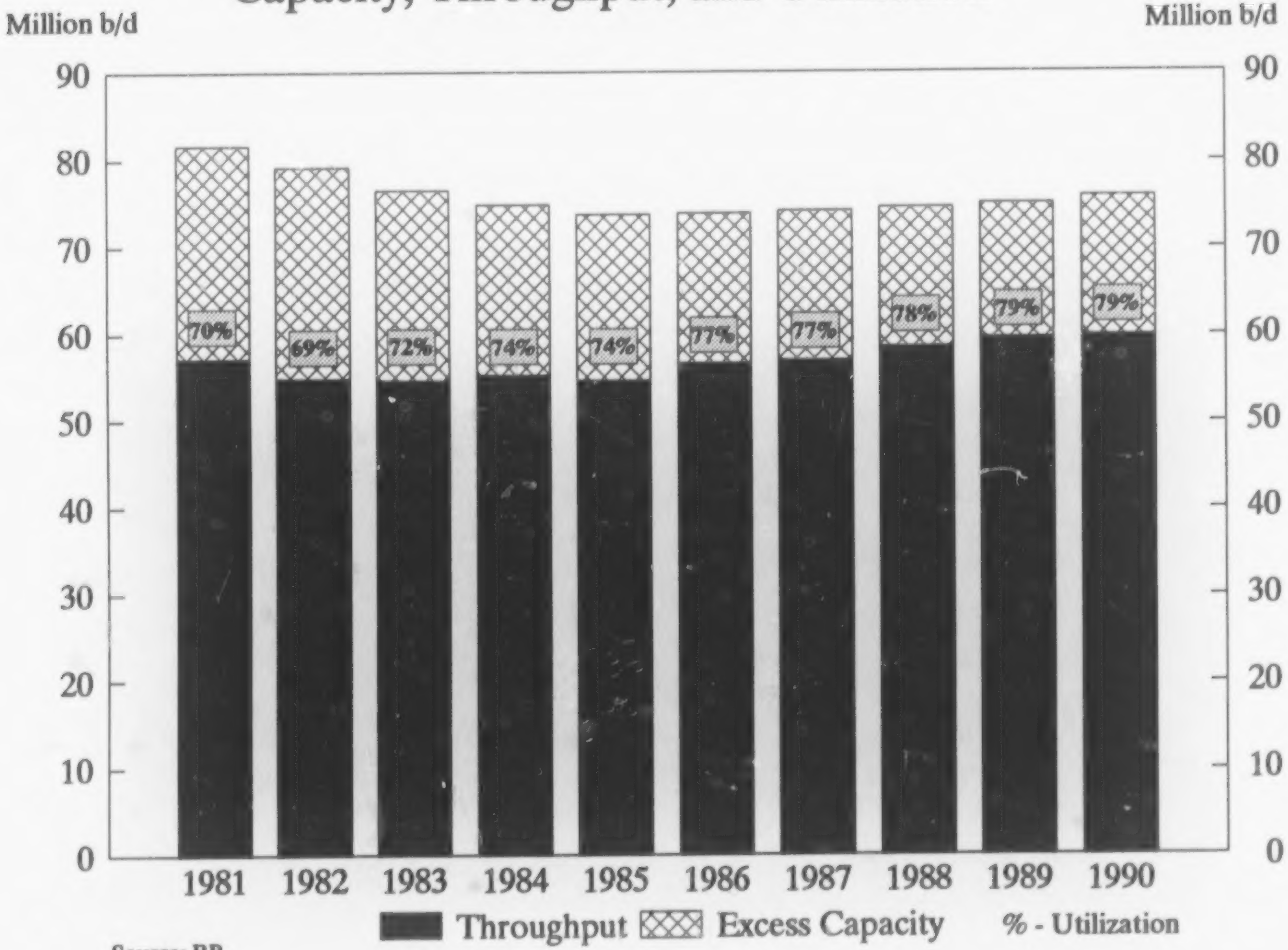
Natural Gas Production
Billion Cubic Feet

	1990
Algeria*	1,588.0
Angola	19.0
Cameroon	0.0
Congo	0.0
Egypt	240.0
Gabon*	3.6
Lybia*	202.9
Nigeria*	133.9
Tunisia	13.1
Zaire	0.0
Other	1.1
Africa	**2,201.6**
Australia	726.8
Brunei	285.5
India	527.6
Indonesia*	1,247.9
Japan	101.2
Malaysia	524.4
Myanmar (Burma)	70.3
New Zealand	164.3
Pakistan	451.1
Thailand	210.2
Other	246.3
Asia-Pacific	**4,555.6**
China	517.7
Romania	1,181.1
USSR	28,861.0
Other	1,032.7
Communist	**31,592.5**
Total World	**75,338.1**
OPEC	**7,856.8**
North Sea	**2,728.9**

* OPEC member
+ North Sea

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Refining
Capacity, Throughput, and Utilization



Source: BP

Refining Capacity
Thousand Barrels per Day

	1973	1974	1975	1976	1977	1978	1979	1980	1981
United States	14,360	14,960	15,235	16,400	16,945	17,375	17,920	18,250	18,290
Canada	1,875	2,010	2,080	2,195	2,220	2,340	2,315	2,150	2,155
Latin America	6,820	7,380	7,400	7,770	8,040	8,175	8,745	9,000	9,065
Western Europe	18,540	19,255	20,390	20,770	20,185	20,355	20,100	20,535	20,140
Central Europe & USSR *	NA	NA	NA	NA	NA	NA	NA	12,930	14,040
Middle East	2,525	2,665	2,750	2,950	3,245	3,375	3,540	3,565	3,250
Africa	1,070	1,240	1,270	1,380	1,505	1,730	2,000	2,060	2,035
China *	NA	NA	NA	NA	NA	NA	NA	1,900	1,810
Japan	4,815	5,040	5,215	5,285	5,285	5,285	5,285	5,675	5,675
South Asia	655	725	735	735	785	825	825	870	885
Other Asia	2,580	2,665	2,725	2,835	3,135	3,225	3,425	3,465	3,515
Asia-Pacific	740	745	760	760	760	785	800	810	815
Communist *	10,545	11,455	12,645	13,380	13,775	14,575	15,060	NA	NA
Total World	**64,525**	**68,140**	**71,205**	**74,460**	**75,880**	**78,045**	**80,015**	**81,210**	**81,675**
Total Non-Communist	**53,980**	**56,685**	**58,560**	**61,080**	**62,105**	**63,470**	**64,805**	**66,195**	**65,620**

	1982	1983	1984	1985	1986	1987	1988	1989	1990
United States	16,860	15,865	15,660	15,460	15,460	15,565	15,930	15,695	15,560
Canada	2,260	2,025	2,015	2,075	2,080	2,050	1,890	1,850	1,880
Latin America	8,895	8,465	8,090	7,425	7,500	7,575	7,570	7,930	7,955
Western Europe	18,240	17,170	15,820	15,200	14,865	14,715	14,535	14,220	14,190
Central Europe & USSR	14,185	14,435	14,435	14,435	14,790	14,820	14,915	15,275	15,275
Middle East	3,565	3,560	3,515	3,810	3,850	4,165	4,365	4,485	5,050
Africa	2,355	2,340	2,540	2,555	2,550	2,630	2,810	2,835	2,885
China	2,000	2,050	2,150	2,150	2,170	2,230	2,340	2,470	2,470
Japan	5,500	4,975	4,975	4,975	4,705	4,565	4,365	4,200	4,385
South Asia	995	1,020	995	1,150	1,225	1,295	1,285	1,310	1,355
Other Asia	3,515	3,760	3,940	3,845	3,885	3,785	3,780	3,920	4,015
Asia-Pacific	815	815	785	705	740	730	745	755	755
Total World	**79,185**	**76,480**	**74,920**	**73,785**	**73,820**	**74,125**	**74,530**	**74,945**	**75,775**
Total Non-Communist	**62,790**	**59,790**	**58,130**	**57,005**	**56,670**	**56,875**	**57,080**	**56,880**	**57,715**

* Until 1980, Central Europe & USSR and China were included in communist. From 1980 to present, the communist countries are included in their regional categories.

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Refining Throughput
Thousand Barrels per Day

	1973	1974	1975	1976	1977	1978	1979	1980	1981
United States	12,555	12,280	12,475	13,435	14,625	14,780	14,465	13,520	12,470
Canada	1,675	1,765	1,700	1,710	1,805	1,820	1,960	1,915	1,780
Latin America	5,970	5,890	5,515	5,670	5,715	5,975	6,220	6,585	6,700
Western Europe	15,065	14,175	12,415	13,180	12,775	12,855	13,665	12,755	11,385
Central Europe & USSR *	NA	NA	NA	NA	NA	NA	NA	11,310	12,210
Middle East	2,170	2,330	2,075	2,300	2,240	2,535	2,365	2,445	2,205
Africa	930	930	1,005	1,055	1,165	1,280	1,355	1,460	1,525
China *	NA	NA	NA	NA	NA	NA	NA	1,430	1,395
Japan	4,430	4,300	4,055	4,230	4,285	4,240	4,340	4,015	3,630
South Asia	590	550	485	550	605	645	675	705	795
Other Asia	1,705	1,560	1,545	1,865	2,030	2,330	2,450	2,400	2,510
Asia-Pacific	620	625	635	655	680	690	700	640	655
Communist *	9,365	10,185	11,025	11,575	11,930	12,875	13,230	NA	NA
Total World	**55,075**	**54,590**	**52,930**	**56,225**	**57,855**	**60,025**	**61,425**	**59,180**	**57,260**
Total Non-Communist	**45,710**	**44,405**	**41,905**	**44,650**	**45,925**	**47,150**	**48,195**	**46,285**	**43,500**

	1982	1983	1984	1985	1986	1987	1988	1989	1990
United States	11,775	11,685	12,045	12,005	12,715	12,855	13,445	13,550	13,595
Canada	1,520	1,455	1,460	1,430	1,395	1,460	1,535	1,555	1,595
Latin America	6,205	5,955	5,845	5,585	5,615	5,665	5,590	5,750	5,870
Western Europe	10,525	10,165	10,255	9,950	10,510	10,380	10,725	10,760	11,090
Central Europe & USSR	12,265	12,255	12,005	11,725	11,990	12,030	12,070	11,950	11,120
Middle East	2,245	2,515	2,665	2,795	2,950	2,970	3,140	3,380	3,290
Africa	1,735	1,920	1,975	2,015	2,095	2,170	2,200	2,280	2,335
China	1,520	1,600	1,765	1,785	1,865	1,950	2,035	2,110	2,130
Japan	3,360	3,255	3,355	3,120	2,990	2,910	2,990	3,175	3,465
South Asia	840	880	885	1,020	1,120	1,150	1,160	1,240	1,245
Other Asia	2,365	2,410	2,485	2,685	2,800	2,785	2,915	3,115	3,320
Asia-Pacific	625	605	615	580	580	645	680	700	715
Total World	**54,980**	**54,700**	**55,355**	**54,695**	**56,625**	**56,970**	**58,485**	**59,565**	**59,770**
Total Non-Communist	**41,040**	**40,685**	**41,425**	**41,015**	**42,600**	**42,815**	**44,205**	**45,235**	**46,255**

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Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Excess Capacity
Thousand Barrels per Day

	1973	1974	1975	1976	1977	1978	1979	1980	1981
United States	1,805	2,680	2,760	2,965	2,320	2,595	3,455	4,730	5,820
Canada	200	245	380	485	415	520	355	235	375
Latin America	850	1,490	1,885	2,100	2,325	2,200	2,525	2,415	2,365
Western Europe	3,475	5,080	7,975	7,590	7,410	7,500	6,435	7,780	8,755
Central Europe & USSR *	NA	NA	NA	NA	NA	NA	NA	1,620	1,830
Middle East	355	335	675	650	1,005	840	1,175	1,120	1,045
Africa	140	310	265	325	340	450	645	600	510
China *	NA	NA	NA	NA	NA	NA	NA	470	415
Japan	385	740	1,160	1,055	1,000	1,045	945	1,660	2,045
South Asia	65	175	250	185	180	180	150	165	90
Other Asia	875	1,105	1,180	970	1,105	895	975	1,065	1,005
Asia-Pacific	120	120	125	105	80	95	100	170	160
Communist *	1,180	1,270	1,620	1,805	1,845	1,700	1,830	NA	NA
Total World	**9,450**	**13,550**	**18,275**	**18,235**	**18,025**	**18,020**	**18,590**	**22,030**	**24,415**
Total Non-Communist	**8,270**	**12,280**	**16,655**	**16,430**	**16,180**	**16,320**	**16,610**	**19,910**	**22,120**

	1982	1983	1984	1985	1986	1987	1988	1989	1990
United States	5,085	4,180	3,615	3,455	2,745	2,710	2,485	2,145	1,965
Canada	740	570	555	645	685	590	355	295	285
Latin America	2,690	2,510	2,245	1,840	1,885	1,910	1,980	2,180	2,085
Western Europe	7,715	7,005	5,565	5,250	4,355	4,335	3,810	3,460	3,100
Central Europe & USSR	1,920	2,180	2,430	2,710	2,800	2,790	2,845	3,325	4,155
Middle East	1,320	1,045	850	1,015	900	1,195	1,225	1,105	1,760
Africa	620	420	565	540	455	460	610	555	550
China	480	450	385	365	305	280	305	360	340
Japan	2,140	1,720	1,620	1,855	1,715	1,655	1,375	1,025	920
South Asia	155	140	110	130	105	145	125	70	110
Other Asia	1,150	1,350	1,455	1,160	1,085	1,000	865	805	695
Asia-Pacific	190	210	170	125	160	85	65	55	40
Total World	**24,205**	**21,780**	**19,565**	**19,090**	**17,195**	**17,155**	**16,045**	**15,380**	**16,005**
Total Non-Communist	**21,750**	**19,105**	**16,705**	**15,990**	**14,070**	**14,060**	**12,875**	**11,645**	**11,460**

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Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Refining Utilization Rates
Percent

	1973	1974	1975	1976	1977	1978	1979	1980	1981
United States	87	82	82	82	86	85	81	74	68
Canada	89	88	82	78	81	76	85	89	83
Latin America	88	80	75	73	71	73	71	73	74
Western Europe	81	74	61	63	63	63	68	62	57
Central Europe & USSR *	NA	NA	NA	NA	NA	NA	NA	87	87
Middle East	86	87	75	78	69	75	67	69	68
Africa	87	75	79	76	77	74	68	71	75
China *	NA	NA	NA	NA	NA	NA	NA	75	77
Japan	92	85	78	80	81	80	82	71	64
South Asia	90	76	66	75	77	78	82	81	90
Other Asia	66	59	57	66	65	72	72	69	71
Asia-Pacific	84	84	84	86	89	88	88	79	80
Communist *	89	89	87	87	87	88	88	NA	NA
Total World	**85**	**80**	**74**	**76**	**76**	**77**	**77**	**73**	**70**
Total Non-Communist	**85**	**78**	**72**	**73**	**74**	**74**	**74**	**70**	**66**

	1982	1983	1984	1985	1986	1987	1988	1989	1990
United States	70	74	77	78	82	83	84	86	87
Canada	67	72	72	69	67	71	81	84	85
Latin America	70	70	72	75	75	75	74	73	74
Western Europe	58	59	65	65	71	71	74	76	78
Central Europe & USSR	86	85	83	81	81	81	81	78	73
Middle East	63	71	76	73	77	71	72	75	65
Africa	74	82	78	79	82	83	78	80	81
China	76	78	82	83	86	87	87	85	86
Japan	61	65	67	63	64	64	68	76	79
South Asia	84	86	89	89	91	89	90	95	92
Other Asia	67	64	63	70	72	74	77	79	83
Asia-Pacific	77	74	78	82	78	88	91	93	95
Total World	**69**	**72**	**74**	**74**	**77**	**77**	**78**	**79**	**79**
Total Non-Communist	**65**	**68**	**71**	**72**	**75**	**75**	**77**	**80**	**80**

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Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Ethylene Capacity
Thousand Metric Tons per Year

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Canada	1,791	1,791	1,561	1,561	2,242	2,242	2,200	2,358	2,407	2,407
Mexico	435	935	935	932	932	932	932	932	932	1,418
United States	18,064	17,836	17,543	17,073	17,298	16,778	16,820	16,985	17,786	19,122
North America	**19,855**	**19,627**	**19,104**	**18,634**	**19,540**	**19,020**	**19,020**	**19,343**	**20,193**	**21,529**
Argentina	173	253	253	253	253	253	254	255	262	261
Bolivia	230	230	230	230	230	230	230	230	230	230
Brazil	1,222	1,242	1,347	1,407	1,427	1,428	1,461	1,502	1,573	1,581
Chile	60	60	60	60	60	60	60	60	60	60
Colombia	115	215	115	115	115	115	115	200	215	215
Puerto Rico	759	413	413	413	413	413	413	413	413	413
Venezuela	150	150	150	150	150	150	150	150	150	620
Central & South America	**3,144**	**3,498**	**3,503**	**3,560**	**3,580**	**3,581**	**3,615**	**3,742**	**3,835**	**4,798**
Austria	260	265	265	265	285	285	320	320	320	320
Belgium	520	520	520	520	520	520	520	520	520	520
Finland	165	165	165	200	200	200	200	230	230	230
France	2,905	2,845	2,590	2,270	2,270	2,415	2,400	2,435	2,455	2,595
Germany, West	4,965	4,455	4,170	3,990	3,990	3,660	3,790	3,790	3,790	3,830
Greece	15	15	15	15	15	15	15	15	15	15
Italy	2,250	2,070	1,980	1,485	1,485	1,485	1,485	1,845	1,845	1,845
Netherlands	2,725	2,260	2,260	2,260	2,260	2,260	2,285	2,325	2,360	2,450
Norway	300	300	300	350	350	300	390	390	390	390
Portugal	0	300	300	300	300	300	300	300	300	300
Spain	1,081	1,031	956	956	956	956	966	966	980	980
Sweden	340	340	355	350	360	365	365	355	370	370
Switzerland	30	30	30	30	30	30	30	30	30	30
Turkey	55	55	55	55	355	355	355	355	355	355
United Kingdom	2,075	2,270	2,265	2,270	2,270	1,995	1,845	1,945	1,975	2,000
Western Europe	**17,631**	**16,866**	**16,171**	**15,261**	**15,291**	**14,786**	**14,911**	**15,466**	**15,580**	**15,875**
Czechoslovakia	NA	NA	NA	NA	NA	NA	NA	0	0	370
Hungary	NA	NA	NA	NA	NA	0	0	250	250	250
Eastern Europe	**NA**	**NA**	**NA**	**NA**	**NA**	**0**	**0**	**250**	**250**	**620**
Iran	26	26	26	26	26	26	26	26	26	26
Israel	24	24	24	24	24	130	130	130	130	130
Qatar	280	280	280	280	280	280	280	280	300	300
Saudi Arabia	NA	NA	NA	0	1,611	1,611	1,611	1,611	1,611	1,970
Syria	NA	NA	NA	NA	NA	0	0	250	250	250
Middle East	**330**	**330**	**330**	**330**	**1,941**	**2,047**	**2,047**	**2,297**	**2,317**	**2,676**

Ethylene Capacity
Thousand Metric Tons per Year

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Algeria	120	120	120	120	120	364	364	364	364	364
South Africa	150	150	150	150	150	150	150	220	320	345
Africa	**270**	**270**	**270**	**270**	**270**	**514**	**514**	**584**	**684**	**709**
Australia	265	321	335	420	420	420	420	420	455	455
India	254	239	251	252	252	252	256	256	257	257
Japan	6,123	5,777	6,354	5,996	5,581	5,418	5,357	4,295	4,458	5,011
South Korea	155	505	505	505	505	505	505	505	505	505
Singapore	NA	NA	0	300	300	300	300	300	300	300
Taiwan	690	690	690	955	953	953	953	953	953	953
Asia-Pacific	**7,487**	**7,532**	**8,135**	**8,428**	**8,011**	**7,848**	**7,791**	**6,729**	**6,928**	**7,481**
Total World	**48,773**	**46,178**	**47,568**	**46,538**	**46,988**	**48,151**	**48,253**	**48,786**	**50,142**	**54,043**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

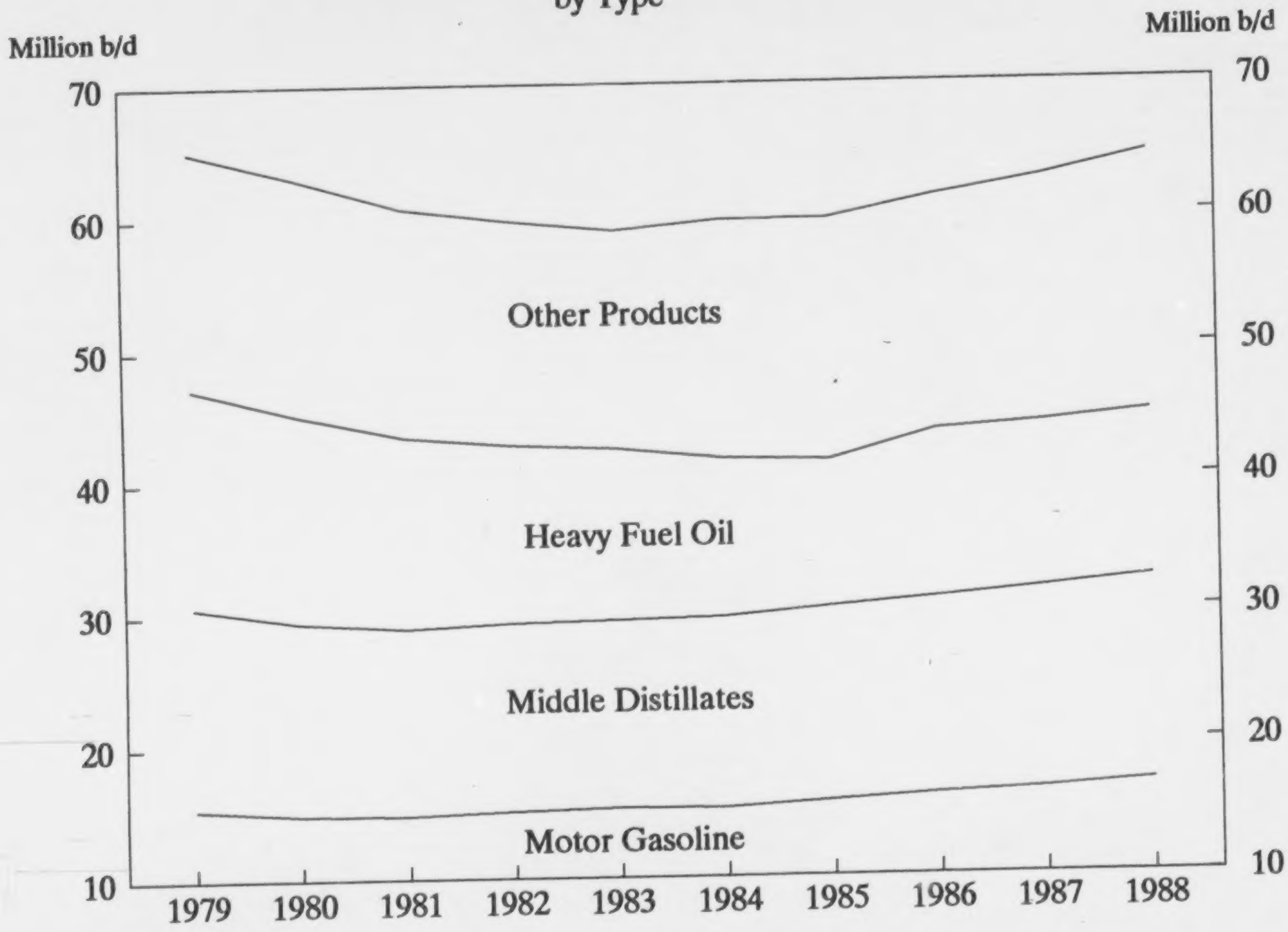
Gas Processing Summary

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
United States										
Gas capacity, MMcfd	71,045	70,484	68,943	67,834	67,729	68,811	67,831	66,747	66,556	68,200
Gas throughput, MMcfd	43,276	41,157	37,577	40,474	40,954	38,314	41,297	41,847	42,289	43,999
Gas liquids production, 000 gpd	65,042	61,120	55,171	60,094	64,446	63,685	68,240	68,172	64,289	67,198
Proved gas reserves, bcf	198,000	204,000	198,000	198,000	197,000	185,400	186,700	187,200	165,000	166,208
Canada										
Gas capacity, MMcfd	18,884	19,448	19,465	22,002	22,808	23,460	24,657	25,187	26,109	26,444
Gas throughput, MMcfd	12,945	12,228	11,580	11,921	12,448	12,393	13,768	14,012	15,792	16,142
Gas liquids production, 000 gpd	15,539	15,207	14,209	15,585	17,382	15,835	16,685	19,179	21,951	22,027
Proved gas reserves, bcf	89,000	97,000	90,500	92,300	99,700	99,600	98,000	95,100	94,300	97,589
Western Europe										
Gas capacity, MMcfd	7,568	10,666	10,640	12,807	13,781	13,813	15,592	15,614	19,792	19,883
Gas throughput, MMcfd	4,287	6,266	6,251	8,323	8,509	5,220	5,528	5,699	5,440	5,021
Gas liquids production, 000 gpd	5,056	4,721	4,532	4,539	5,040	5,908	6,142	6,035	6,308	6,288
Proved gas reserves, bcf	150,650	156,736	157,328	206,673	226,407	229,730	218,180	200,117	191,914	175,265
Latin America										
Gas capacity, MMcfd	8,059	8,953	9,608	9,670	11,809	11,921	10,408	10,723	10,903	10,924
Gas throughput, MMcfd	5,834	7,386	8,319	8,386	9,304	9,150	8,379	8,523	8,736	8,943
Gas liquids production, 000 gpd	10,282	14,966	16,562	16,711	15,967	16,374	18,630	21,322	21,224	23,184
Proved gas reserves, bcf	176,323	186,591	186,396	184,931	189,271	190,070	226,660	236,141	233,694	242,284
Middle East										
Gas capacity, MMcfd	5,620	8,468	8,986	10,032	10,111	10,556	9,115	10,810	10,810	10,877
Gas throughput, MMcfd	1,276	2,031	2,499	3,199	3,148	3,609	3,700	4,810	4,996	5,017
Gas liquids production, 000 gpd	6,563	7,749	8,105	9,872	9,095	8,775	9,365	9,260	7,896	7,990
Proved gas reserves, bcf	762,490	769,730	775,047	869,355	855,863	925,300	1,084,030	1,182,123	1,226,150	1,324,265
Africa										
Gas capacity, MMcfd	7,739	7,739	7,719	8,012	8,155	8,205	8,635	8,506	8,506	8,509
Gas throughput, MMcfd	5,759	5,975	5,975	6,259	6,367	6,468	6,834	6,683	6,683	6,731
Gas liquids production, 000 gpd	12,613	14,045	14,045	13,176	13,370	13,574	14,221	14,201	14,098	14,178
Proved gas reserves, bcf	211,667	189,423	189,644	187,176	198,322	201,440	248,630	253,310	266,730	285,143
Asia-Pacific										
Gas capacity, MMcfd	2,815	3,278	3,925	5,665	6,011	6,100	6,976	9,628	11,827	11,732
Gas throughput, MMcfd	2,115	2,245	2,724	3,675	3,756	3,855	4,062	6,551	8,110	8,290
Gas liquids production, 000 gpd	3,227	2,641	3,178	5,231	8,680	8,582	5,580	8,362	7,957	7,708
Proved gas reserves, bcf	127,616	146,247	156,235	166,190	171,497	198,640	224,800	240,650	248,031	298,561
Totals										
Gas capacity, MMcfd	**121,729**	**129,036**	**129,286**	**136,022**	**140,405**	**142,868**	**143,213**	**147,214**	**154,503**	**156,569**
Gas throughput, MMcfd	**75,491**	**77,287**	**74,926**	**82,338**	**84,485**	**79,009**	**83,567**	**88,125**	**92,046**	**94,143**
Gas liquids production, 000 gpd	**118,323**	**120,449**	**115,802**	**124,757**	**133,981**	**132,733**	**138,862**	**146,531**	**143,723**	**148,572**
Proved gas reserves, bcf	**1,715,746**	**1,749,727**	**1,753,150**	**1,904,625**	**1,938,060**	**2,030,180**	**2,287,000**	**2,394,641**	**2,425,819**	**2,589,315**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Refined Product Demand

by Type



Source: EIA

Total Demand
# of Refined Petroleum Products
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Canada	1,857	1,947	1,836	1,617	1,496	1,503	1,517	1,506	1,548	1,693
Mexico	904	1,222	1,267	1,360	1,301	1,483	1,529	1,470	1,520	1,550
United States	18,513	17,056	16,058	15,296	15,231	15,726	15,726	16,281	16,665	17,283
Other	6	12	8	15	10	7	8	4	6	7
North America	**21,280**	**20,237**	**19,169**	**18,288**	**18,038**	**18,719**	**18,780**	**19,262**	**19,739**	**20,532**
Argentina	532	499	483	468	477	463	415	448	479	475
Bahama Islands	41	46	75	41	35	25	38	15	17	16
Bolivia	NA	NA	29	22	28	24	22	21	21	23
Brazil	1,175	1,164	1,022	1,082	975	1,070	1,125	1,297	1,323	1,300
Chile	106	107	97	88	100	96	87	97	103	111
Colombia	163	184	172	183	176	174	171	172	185	198
Cuba	162	196	207	230	231	242	217	223	219	221
Dominican Republic	NA	NA	36	39	42	42	45	40	40	58
Ecuador	69	84	88	95	85	83	115	92	90	93
Guatemala	NA	NA	31	25	26	23	26	23	23	25
Jamaica	NA	NA	NA	NA	NA	35	31	23	33	34
Netherlands Antilles	96	137	137	150	107	119	89	97	70	65
Panama Republic	88	78	84	83	76	72	24	25	30	26
Peru	126	129	137	119	139	143	150	135	138	141
Puerto Rico	202	299	281	251	182	174	145	156	162	147
Trinidad & Tobago	58	61	45	40	48	41	45	40	21	18
Uruguay	NA	NA	36	34	27	26	24	23	27	33
Venezuela	279	337	433	427	375	352	383	402	404	397
Virgin Islands, US	121	117	111	120	78	77	71	47	55	39
Other	277	309	132	175	160	88	117	119	126	137
Central & South America	**3,495**	**3,747**	**3,637**	**3,673**	**3,367**	**3,370**	**3,341**	**3,494**	**3,565**	**3,561**
Austria	242	232	225	209	206	200	200	211	217	212
Belgium	+ 638	+ 543	481	444	408	393	402	455	452	469
Denmark	318	290	243	233	223	220	230	221	215	205
Finland	280	271	241	226	217	214	216	222	226	228
France	2,385	2,256	2,023	1,939	1,913	1,857	1,799	1,772	1,789	1,797
Germany, West	3,073	2,707	2,449	2,324	2,291	2,300	2,347	2,498	2,424	2,422
Greece	278	262	254	242	233	235	245	248	267	285
Ireland	132	119	104	91	86	81	79	96	81	78
Italy	2,003	1,876	1,906	1,783	1,732	1,636	1,666	1,697	1,855	1,836
Luxembourg	+ NA	+ NA	22	22	22	21	22	24	27	28
Netherlands	859	727	657	639	613	608	622	684	686	716
Norway	219	200	185	174	164	199	179	186	209	187
Portugal	188	154	140	189	190	183	172	184	209	206
Spain	983	990	941	1,009	1,023	917	848	837	898	980
Sweden	583	527	471	406	360	341	346	357	370	359
Switzerland	308	307	251	239	261	252	263	286	262	261
Turkey	291	314	280	327	344	343	360	388	450	447
United Kingdom	1,930	1,725	1,590	1,585	1,520	1,824	1,607	1,637	1,603	1,697
Yugoslavia	306	301	285	286	267	325	331	304	313	316
Other	21	25	18	23	23	18	26	27	29	31
Western Europe	**15,037**	**13,826**	**12,766**	**12,390**	**12,096**	**12,168**	**11,956**	**12,334**	**12,585**	**12,762**

Total Demand of Refined Petroleum Products
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Albania	44	46	44	63	63	63	62	58	34	32
Bulgaria	311	306	294	295	295	348	303	286	275	277
Czechoslovakia	392	391	381	327	319	302	300	297	320	312
Germany, East	386	388	355	371	337	372	362	362	342	322
Hungary	279	244	236	223	223	223	227	212	203	193
Poland	372	387	346	318	329	313	333	333	341	350
Romania	400	374	323	337	320	307	404	322	340	330
USSR	8,578	8,914	9,027	9,253	9,218	8,651	8,650	8,975	8,995	8,890
Eastern Europe & USSR	**10,762**	**11,050**	**11,006**	**11,187**	**11,102**	**10,579**	**10,641**	**10,845**	**10,850**	**10,705**
Bahrain	NA	NA	35	31	27	26	16	16	19	20
Cyprus	NA	NA	NA	NA	NA	20	17	22	24	25
Iran	532	570	633	675	675	725	725	740	775	870
Iraq	191	217	214	205	210	225	258	279	285	320
Israel	155	170	163	162	151	143	130	133	141	157
Jordan	NA	NA	46	55	49	56	66	62	66	62
Kuwait	154	106	116	98	123	120	121	118	115	120
Lebanon	42	40	42	35	31	33	40	46	48	55
Saudi Arabia	415	500	486	606	750	750	880	885	885	900
Syria	99	138	120	121	139	154	193	163	180	192
United Arab Emirates	52	55	126	126	107	115	121	115	126	134
Yemen	NA	NA	31	36	29	41	43	39	38	36
Other	134	153	49	55	69	56	71	105	96	79
Middle East	**1,774**	**1,949**	**2,061**	**2,206**	**2,360**	**2,464**	**2,682**	**2,724**	**2,798**	**2,969**
Algeria	104	111	127	143	136	150	165	166	167	172
Angola	NA	NA	NA	NA	NA	19	25	24	24	25
Egypt	226	247	276	313	339	384	450	428	442	437
Ivory Coast	NA	NA	NA	NA	NA	29	38	31	35	37
Kenya	NA	NA	39	30	28	36	33	39	35	38
Libya	NA	NA	NA	NA	NA	120	128	125	134	142
Morocco	90	89	93	88	89	85	105	94	92	99
Nigeria	161	148	156	228	233	258	215	208	218	234
South Africa	290	312	324	349	338	360	350	350	345	342
Sudan	NA	NA	NA	NA	NA	22	25	28	27	30
Tunisia	NA	NA	57	49	62	57	63	61	52	61
Zaire	NA	NA	NA	NA	NA	14	19	21	19	23
Other	535	548	424	456	464	234	245	244	247	266
Africa	**1,404**	**1,457**	**1,496**	**1,657**	**1,688**	**1,769**	**1,862**	**1,819**	**1,836**	**1,905**

Total Demand
of Refined Petroleum Products
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Australia	614	594	584	659	635	676	645	610	643	652
China	1,851	1,834	1,675	1,661	1,722	1,720	1,740	1,920	2,075	2,150
Guam	NA	- NA	NA	NA	NA	8	5	8	5	6
Hong Kong	123	124	128	125	112	111	91	113	107	121
India	661	643	729	710	773	763	895	947	988	1,084
Indonesia	367	408	441	479	482	480	475	470	493	524
Japan	5,480	4,960	4,848	4,554	4,366	4,578	4,333	4,391	4,484	4,752
Korea, North	NA	NA	51	52	57	60	64	68	69	65
Korea, South	525	537	536	534	561	587	569	607	639	731
Malaysia	134	134	165	180	183	194	177	192	197	202
Myanmar (Burma)	NA	NA	NA	NA	NA	17	29	26	16	15
New Zealand	83	91	85	82	80	83	77	84	94	95
Pakistan	94	94	107	104	120	140	160	166	180	194
Philippines	240	225	212	224	205	159	184	159	188	196
Singapore	380	218	214	222	220	235	213	257	285	304
Sri Lanka	NA	NA	34	35	36	39	33	31	36	34
Taiwan	359	415	377	330	337	384	360	405	420	483
Thailand	227	224	214	199	214	233	225	234	259	283
Vietnam	NA	NA	26	26	27	27	28	29	30	30
Other	224	265	144	161	171	139	180	166	145	146
Asia-Pacific	**11,361**	**10,766**	**10,570**	**10,337**	**10,302**	**10,634**	**10,482**	**10,884**	**11,354**	**12,064**
Total World	**65,113**	**63,033**	**60,705**	**59,739**	**58,954**	**59,702**	**59,745**	**61,363**	**62,727**	**64,499**

+ In 1979 and 1980, Luxembourg is included in Belgium.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Motor Gasoline Demand *
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Canada	664	665	646	628	609	597	568	566	554	570
Mexico	276	329	350	361	331	330	341	359	362	361
United States	7,073	6,613	6,588	6,564	6,648	6,717	6,858	7,034	7,206	7,336
Other	1	1	1	1	1	1	1	1	1	1
North America	**8,013**	**7,609**	**7,585**	**7,554**	**7,589**	**7,645**	**7,767**	**7,980**	**8,122**	**8,268**
Argentina	121	131	135	122	122	119	96	108	108	100
Bahama Islands	3	3	2	2	2	1	1	3	3	3
Bolivia	NA	NA	11	8	8	8	8	8	6	9
Brazil	307	239	179	249	238	232	217	337	319	277
Chile	25	25	27	25	27	25	23	24	26	28
Colombia	77	75	71	73	88	80	85	92	96	101
Cuba	25	25	27	28	58	63	29	28	26	27
Dominican Republic	NA	NA	6	6	6	7	7	8	8	12
Ecuador	26	30	29	31	26	27	38	29	28	29
Guatemala	NA	NA	6	5	5	6	6	5	6	7
Jamaica	NA	NA	NA	NA	NA	8	7	4	5	5
Netherlands Antilles	7	3	2	2	3	3	2	2	2	2
Panama Republic	6	5	5	4	5	5	5	5	5	5
Peru	27	26	30	28	31	36	31	29	30	30
Puerto Rico	44	45	73	79	80	47	44	45	50	46
Trinidad & Tobago	25	19	20	6	18	13	14	16	9	9
Uruguay	NA	NA	6	5	4	5	5	4	5	5
Venezuela	133	133	164	167	169	161	164	163	168	173
Virgin Islands, US	5	7	7	7	6	2	2	1	2	4
Other	54	55	23	28	27	16	27	26	28	29
Central & South America	**885**	**821**	**823**	**875**	**923**	**862**	**808**	**938**	**930**	**900**
Austria	57	57	57	57	58	57	56	58	59	59
Belgium	+ 87	+ 74	61	65	62	61	60	64	66	68
Denmark	38	35	34	33	35	35	37	36	36	36
Finland	38	30	31	34	38	36	40	39	41	42
France	413	413	423	415	422	400	383	390	389	398
Germany, West	543	552	484	549	558	562	560	575	596	617
Greece	24	33	39	43	43	46	48	44	47	50
Ireland	23	24	24	23	22	21	20	20	19	20
Italy	283	290	287	282	272	272	285	280	285	290
Luxembourg	+ NA	+ NA	7	7	7	7	7	7	8	8
Netherlands	118	91	99	91	87	88	68	98	96	79
Norway	33	34	32	35	36	37	40	40	41	41
Portugal	24	17	16	20	19	19	20	22	25	28
Spain	134	131	132	126	126	130	134	146	156	141
Sweden	85	82	81	91	78	92	92	92	96	99
Switzerland	60	65	69	68	70	72	71	75	78	80
Turkey	44	41	45	46	47	47	45	51	56	63
United Kingdom	436	446	436	430	436	446	446	502	518	542
Yugoslavia	49	50	48	56	50	75	69	54	57	58
Other	3	3	3	3	3	3	3	4	4	4
Western Europe	**2,495**	**2,469**	**2,408**	**2,474**	**2,469**	**2,506**	**2,484**	**2,597**	**2,672**	**2,723**

Motor Gasoline Demand *
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Albania	4	4	4	6	6	6	6	5	5	5
Bulgaria	42	43	42	42	42	41	42	40	41	39
Czechoslovakia	43	40	42	38	41	41	45	45	47	49
Germany, East	69	68	76	76	80	79	83	85	94	95
Hungary	46	33	34	32	29	29	30	32	37	38
Poland	80	91	90	86	97	68	101	80	82	85
Romania	59	48	26	33	40	38	119	37	40	42
USSR	1,544	1,530	1,573	1,642	1,697	1,565	1,562	1,660	1,676	1,907
Eastern Europe & USSR	**1,886**	**1,857**	**1,887**	**1,955**	**2,031**	**1,867**	**1,987**	**1,983**	**2,020**	**2,259**
Bahrain	NA	NA	3	4	3	7	5	4	4	5
Cyprus	NA	NA	NA	NA	NA	3	3	3	3	4
Iran	72	69	73	80	82	94	111	110	108	110
Iraq	27	34	31	30	31	35	55	47	53	56
Israel	18	20	19	21	23	22	24	26	26	29
Jordan	NA	NA	7	8	7	14	14	8	8	8
Kuwait	17	21	23	27	25	21	26	27	28	29
Lebanon	13	7	11	11	5	5	11	15	16	15
Saudi Arabia	52	87	102	113	98	100	160	152	155	156
Syria	21	23	13	13	14	23	21	19	20	22
United Arab Emirates	10	11	14	18	19	20	22	22	21	21
Yemen	NA	NA	4	5	5	6	6	5	7	7
Other	21	29	15	15	14	18	18	20	22	21
Middle East	**250**	**302**	**315**	**345**	**326**	**368**	**475**	**458**	**473**	**480**
Algeria	24	24	31	33	33	28	39	41	42	42
Angola	NA	NA	NA	NA	NA	2	3	2	2	2
Egypt	24	43	48	33	38	41	65	47	49	51
Ivory Coast	NA	NA	NA	NA	NA	5	8	5	7	10
Kenya	NA	NA	7	6	6	7	6	7	6	6
Libya	NA	NA	NA	NA	NA	25	28	25	26	28
Morocco	11	8	10	8	9	8	10	8	10	9
Nigeria	58	61	68	98	97	79	97	83	85	89
South Africa	85	86	90	98	105	110	100	117	100	100
Sudan	NA	NA	NA	NA	NA	4	5	5	5	6
Tunisia	NA	NA	4	4	4	1	5	5	5	6
Zaire	NA	NA	NA	NA	NA	2	4	4	3	4
Other	97	96	86	94	96	52	65	62	61	64
Africa	**302**	**317**	**344**	**374**	**388**	**365**	**436**	**412**	**401**	**413**

Motor Gasoline Demand *
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Australia	258	255	257	260	258	266	274	274	278	287
China	305	292	235	237	265	240	355	365	372	422
Guam	NA	NA	NA	NA	NA	1	1	4	2	2
Hong Kong	4	4	6	6	5	5	5	5	5	5
India	35	35	37	42	78	77	54	58	65	66
Indonesia	63	65	72	71	67	65	67	77	84	90
Japan	595	595	606	609	615	620	628	643	656	677
Korea, North	NA	NA	17	18	20	20	22	23	24	21
Korea, South	23	19	17	14	12	15	19	29	28	37
Malaysia	16	13	18	33	34	44	27	46	50	49
Myanmar (Burma)	NA	NA	NA	NA	NA	5	7	6	5	3
New Zealand	41	40	39	41	39	44	37	39	36	37
Pakistan	12	13	13	16	16	17	29	20	22	22
Philippines	42	31	24	24	25	22	29	25	28	30
Singapore	12	7	8	8	9	10	9	10	10	10
Sri Lanka	NA	NA	2	2	3	3	3	3	3	4
Taiwan	33	36	36	40	48	48	52	54	61	63
Thailand	40	39	36	35	38	40	38	39	45	50
Vietnam	NA	NA	7	6	6	6	6	7	7	7
Other	47	56	25	31	31	22	29	21	22	22
Asia-Pacific	**1,528**	**1,501**	**1,455**	**1,493**	**1,569**	**1,569**	**1,690**	**1,748**	**1,803**	**1,902**
Total World	**15,360**	**14,875**	**14,817**	**15,071**	**15,295**	**15,182**	**15,648**	**16,096**	**16,422**	**16,945**

* Data for 1979-1985 include aviation gasoline.
+ In 1979 and 1980, Luxembourg is included in Belgium.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Jet Fuel Demand
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Canada	109	105	98	68	67	68	89	78	84	91
Mexico	61	68	79	65	63	69	71	29	30	26
United States	1,264	1,226	1,134	933	966	1,291	1,333	1,307	1,385	1,449
Other	2	4	1	*	1	1	1	*	1	1
North America	**1,436**	**1,404**	**1,312**	**1,066**	**1,097**	**1,429**	**1,494**	**1,414**	**1,499**	**1,568**
Argentina	29	32	31	23	27	26	22	14	16	14
Bahama Islands	1	2	2	2	2	2	2	*	1	3
Bolivia	NA	NA	4	3	4	4	4	2	2	2
Brazil	14	56	52	52	27	49	52	45	48	41
Chile	11	11	8	7	6	7	4	3	5	5
Colombia	18	20	18	19	6	16	16	10	9	11
Cuba	9	9	9	9	18	18	18	4	4	5
Dominican Republic	NA	NA	2	2	2	2	2	*	*	1
Ecuador	11	10	9	10	8	9	12	3	4	4
Guatemala	NA	NA	2	3	2	2	2	1	1	1
Jamaica	NA	NA	NA	NA	NA	5	4	3	3	3
Netherlands Antilles	1	1	2	2	2	2	2	1	1	1
Panama Republic	3	3	2	2	3	2	2	2	2	2
Peru	24	27	26	23	27	18	25	8	7	6
Puerto Rico	8	10	5	10	8	11	10	11	13	12
Trinidad & Tobago	2	10	8	8	3	3	4	2	2	1
Uruguay	NA	NA	4	3	2	2	2	0	1	1
Venezuela	19	18	20	18	19	21	13	9	15	19
Virgin Islands, US	14	7	7	9	10	12	23	9	5	2
Other	22	26	10	14	18	10	14	8	9	10
Central & South America	**188**	**243**	**221**	**219**	**194**	**220**	**230**	**137**	**148**	**142**
Austria	2	3	3	3	4	4	5	5	5	6
Belgium	+ 7	+ 8	11	9	9	10	12	12	13	14
Denmark	21	31	12	12	14	14	15	12	15	15
Finland	5	5	5	5	5	5	6	4	2	8
France	73	72	67	72	79	75	82	62	67	73
Germany, West	56	81	81	55	56	59	67	83	87	94
Greece	28	19	35	20	19	19	21	23	23	27
Ireland	11	7	7	6	6	7	6	4	5	5
Italy	55	51	44	35	44	44	41	37	37	41
Luxembourg	+ NA	+ NA	1	1	1	1	2	2	2	2
Netherlands	32	10	19	22	24	26	32	28	30	31
Norway	19	21	17	13	12	11	16	6	7	7
Portugal	13	7	8	11	11	10	11	10	11	11
Spain	55	39	41	48	42	37	42	37	44	50
Sweden	13	13	12	10	10	8	9	15	15	16
Switzerland	31	17	17	16	18	18	19	20	21	22
Turkey	7	13	12	10	10	11	10	6	7	9
United Kingdom	159	147	196	141	141	147	150	120	126	134
Yugoslavia	7	7	5	8	7	7	11	8	9	9
Other	3	3	3	3	2	3	2	2	3	3
Western Europe	**595**	**554**	**596**	**500**	**514**	**516**	**559**	**495**	**528**	**580**

Jet Fuel Demand
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Albania	2	1	1	2	2	2	2	0	0	0
Bulgaria	5	5	5	5	5	5	5	0	0	0
Czechoslovakia	11	12	11	7	9	10	10	0	0	0
Germany, East	0	11	0	0	0	*	*	0	0	0
Hungary	0	5	5	4	4	4	4	0	0	0
Poland	5	6	5	4	4	5	8	0	0	0
Romania	20	11	16	19	19	20	19	0	0	0
USSR	712	702	714	725	748	723	703	0	415	590
Eastern Europe & USSR	**756**	**753**	**757**	**766**	**791**	**768**	**751**	**0**	**415**	**590**
Bahrain	NA	NA	17	10	7	9	*	8	1	9
Cyprus	NA	NA	NA	NA	NA	2	2	3	4	2
Iran	105	134	95	106	102	119	130	15	10	9
Iraq	26	26	30	29	30	32	25	8	7	9
Israel	16	16	13	23	15	14	13	10	10	11
Jordan	NA	NA	10	4	9	3	8	3	4	4
Kuwait	13	8	8	15	8	3	7	11	10	10
Lebanon	5	7	6	4	5	3	4	1	*	4
Saudi Arabia	7	35	37	42	65	60	55	27	41	41
Syria	13	12	8	11	13	11	9	7	7	8
United Arab Emirates	8	8	11	28	13	15	20	16	17	18
Yemen	NA	NA	2	4	3	4	4	3	2	2
Other	18	30	8	6	7	9	7	7	6	5
Middle East	**210**	**277**	**245**	**282**	**278**	**285**	**286**	**119**	**120**	**131**
Algeria	9	7	8	8	5	13	1	11	9	8
Angola	NA	NA	NA	NA	NA	2	4	3	3	3
Egypt	40	36	36	45	51	53	60	12	17	12
Ivory Coast	NA	NA	NA	NA	NA	4	11	2	2	2
Kenya	NA	NA	8	5	6	8	8	6	3	6
Libya	NA	NA	NA	NA	NA	10	12	10	12	8
Morocco	7	7	6	4	6	*	7	4	5	5
Nigeria	22	28	26	36	41	111	38	10	9	7
South Africa	16	17	18	19	20	25	22	12	10	10
Sudan	NA	NA	NA	NA	NA	1	2	2	2	2
Tunisia	NA	NA	6	6	7	9	10	2	3	4
Zaire	NA	NA	NA	NA	NA	3	4	2	4	5
Other	92	86	47	58	57	33	35	25	24	28
Africa	**185**	**182**	**155**	**181**	**193**	**272**	**214**	**101**	**103**	**99**

Jet Fuel Demand
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Australia	39	40	45	36	40	45	47	43	45	50
China	410	407	370	394	395	300	2	70	55	62
Guam	NA	NA	NA	NA	NA	2	150	1	1	2
Hong Kong	18	18	21	20	21	20	2	23	21	25
India	112	111	125	130	117	129	23	38	36	39
Indonesia	119	146	154	156	142	140	132	13	12	15
Japan	507	485	485	455	453	505	124	53	54	56
Korea, North	NA	NA	4	4	4	5	484	0	0	0
Korea, South	40	38	37	41	43	46	5	28	29	30
Malaysia	7	9	11	15	16	2	44	9	10	9
Myanmar (Burma)	NA	NA	NA	NA	NA	*	15	1	*	*
New Zealand	6	7	9	6	5	6	6	9	11	12
Pakistan	22	21	19	22	26	25	20	11	11	10
Philippines	17	16	15	19	15	14	22	7	9	10
Singapore	77	41	31	1	3	5	22	22	25	30
Sri Lanka	NA	NA	6	6	7	6	2	2	2	2
Taiwan	16	14	12	5	7	14	8	12	12	15
Thailand	20	21	24	24	27	25	25	24	26	31
Vietnam	NA	NA	3	3	3	3	3	0	0	0
Other	35	48	26	36	38	33	47	38	21	21
Asia-Pacific	**1,448**	**1,424**	**1,397**	**1,373**	**1,362**	**1,326**	**1,182**	**404**	**380**	**421**
Total World	**4,818**	**4,835**	**4,683**	**4,388**	**4,429**	**4,816**	**4,716**	**2,669**	**3,193**	**3,531**

* Denotes less than one-half the unit of measure.
+ In 1979 and 1980, Luxembourg is included in Belgium.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Middle Distillate Demand
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Canada	499	497	456	422	402	412	389	392	364	388
Mexico	203	245	264	227	200	255	263	249	222	199
United States	3,311	2,866	2,829	2,671	2,690	2,845	2,868	2,914	2,976	3,122
Other	1	6	5	11	7	5	6	3	4	4
North America	**4,014**	**3,613**	**3,554**	**3,331**	**3,299**	**3,517**	**3,526**	**3,557**	**3,565**	**3,713**
Argentina	154	150	149	144	152	153	134	148	154	148
Bahama Islands	6	10	8	12	9	6	8	4	4	4
Bolivia	NA	NA	4	4	4	5	4	1	*	1
Brazil	301	326	325	326	319	332	337	384	409	425
Chile	22	25	22	23	27	28	25	30	32	36
Colombia	21	26	28	44	48	30	32	35	32	34
Cuba	38	38	41	45	40	41	45	46	48	49
Dominican Republic	NA	NA	9	9	10	10	7	9	9	14
Ecuador	16	19	19	6	23	31	26	19	23	23
Guatemala	NA	NA	9	10	10	8	10	10	9	10
Jamaica	NA	NA	NA	NA	NA	5	5	3	4	4
Netherlands Antilles	8	13	11	11	12	11	10	13	9	7
Panama Republic	32	22	21	19	20	19	6	7	9	7
Peru	29	29	32	29	32	22	29	31	34	36
Puerto Rico	12	16	16	4	8	11	16	15	19	20
Trinidad & Tobago	6	9	4	4	7	5	4	3	3	2
Uruguay	NA	NA	11	10	10	10	8	8	9	10
Venezuela	59	66	85	102	72	59	55	60	65	66
Virgin Islands, US	17	18	16	10	12	18	12	5	7	5
Other	73	82	37	58	46	33	37	42	41	45
Central & South America	**796**	**849**	**847**	**870**	**861**	**836**	**811**	**872**	**920**	**946**
Austria	61	55	48	50	52	48	53	55	58	59
Belgium	+ 259	+ 190	175	155	149	151	165	188	179	184
Denmark	119	112	100	103	99	100	110	107	106	100
Finland	102	106	86	86	82	83	88	84	83	80
France	827	775	697	670	676	717	719	724	716	716
Germany, West	1,295	1,114	1,006	968	979	996	1,049	1,164	1,126	1,095
Greece	66	74	67	74	75	79	83	82	93	97
Ireland	30	27	26	25	27	27	27	31	28	29
Italy	504	493	489	488	489	516	559	530	605	568
Luxembourg	+ NA	+ NA	10	10	10	10	11	11	12	12
Netherlands	174	141	105	131	135	135	138	148	143	150
Norway	74	81	63	63	61	61	64	68	70	66
Portugal	42	37	42	43	42	41	42	42	45	48
Spain	230	215	202	228	227	238	242	252	261	282
Sweden	195	174	157	144	124	116	123	128	122	121
Switzerland	161	147	126	119	138	132	138	153	132	129
Turkey	85	82	88	97	106	108	114	127	145	146
United Kingdom	424	439	362	377	368	376	377	382	368	382
Yugoslavia	81	72	95	94	75	73	69	90	96	95
Other	7	9	5	9	8	5	9	8	8	9
Western Europe	**4,738**	**4,343**	**3,949**	**3,934**	**3,922**	**4,012**	**4,180**	**4,374**	**4,397**	**4,370**

Middle Distillate Demand
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Albania	5	6	5	7	7	8	8	9	7	7
Bulgaria	82	84	80	80	80	80	80	80	82	82
Czechoslovakia	98	93	82	77	63	64	58	73	74	73
Germany, East	103	100	94	93	66	103	120	115	118	112
Hungary	101	91	86	83	73	74	72	68	71	63
Poland	118	119	106	102	112	113	118	125	127	130
Romania	107	99	84	96	85	83	86	84	84	84
USSR	1,934	1,918	1,964	2,015	2,067	1,837	1,777	1,572	1,610	1,480
Eastern Europe & USSR	**2,547**	**2,510**	**2,502**	**2,553**	**2,553**	**2,362**	**2,318**	**2,126**	**2,172**	**2,030**
Bahrain	NA	NA	4	8	3	4	5	2	3	3
Cyprus	NA	NA	NA	NA	NA	4	4	4	5	5
Iran	142	136	254	292	231	230	235	245	260	300
Iraq	46	46	52	52	53	76	81	75	82	90
Israel	22	24	22	21	24	21	20	21	20	21
Jordan	NA	NA	13	20	13	32	29	24	15	15
Kuwait	8	12	29	35	81	75	62	10	15	20
Lebanon	7	7	6	5	6	8	11	9	8	10
Saudi Arabia	66	90	38	239	222	215	230	269	258	255
Syria	35	61	48	52	53	66	76	60	64	64
United Arab Emirates	30	32	34	43	44	46	42	32	42	46
Yemen	NA	NA	7	8	8	9	12	9	7	7
Other	30	39	14	17	24	18	23	29	36	23
Middle East	**385**	**446**	**521**	**792**	**762**	**804**	**830**	**790**	**817**	**860**
Algeria	40	37	41	45	45	43	60	47	56	55
Angola	NA	NA	NA	NA	NA	5	6	6	6	6
Egypt	44	44	48	65	73	77	85	80	87	80
Ivory Coast	NA	NA	NA	NA	NA	10	9	7	9	9
Kenya	NA	NA	8	8	8	10	10	11	10	12
Libya	NA	NA	NA	NA	NA	45	32	33	41	47
Morocco	27	26	29	30	27	25	26	27	30	38
Nigeria	34	37	37	52	57	50	40	47	40	37
South Africa	90	92	95	101	112	115	100	111	105	105
Sudan	NA	NA	NA	NA	NA	11	11	13	13	16
Tunisia	NA	NA	19	16	20	20	21	22	20	20
Zaire	NA	NA	NA	NA	NA	9	7	7	10	12
Other	191	176	153	154	166	86	91	86	87	90
Africa	**424**	**412**	**430**	**471**	**508**	**506**	**497**	**496**	**515**	**527**

Middle Distillate Demand
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Australia	126	132	133	145	128	141	148	152	157	165
China	512	511	400	327	359	368	400	436	493	508
Guam	NA	NA	NA	NA	NA	2	2	2	2	2
Hong Kong	25	22	22	26	23	30	22	27	30	35
India	229	231	241	262	278	296	362	351	385	417
Indonesia	98	131	148	160	165	165	140	155	171	191
Japan	767	744	748	725	744	788	797	829	882	970
Korea, North	NA	NA	19	20	21	22	24	25	25	23
Korea, South	104	104	111	115	123	147	149	159	177	203
Malaysia	49	53	66	58	70	65	65	62	60	63
Myanmar (Burma)	NA	NA	NA	NA	NA	7	10	9	6	5
New Zealand	21	21	21	21	21	20	20	21	21	20
Pakistan	38	42	46	46	51	56	60	66	79	86
Philippines	76	83	69	77	55	59	60	44	49	52
Singapore	93	26	61	48	32	35	27	31	40	32
Sri Lanka	NA	NA	10	15	16	15	12	12	14	13
Taiwan	88	110	98	77	54	64	58	57	62	68
Thailand	78	75	69	72	72	89	95	98	111	123
Vietnam	NA	NA	9	9	9	9	9	10	10	10
Other	65	87	45	44	58	35	51	51	49	49
Asia-Pacific	**2,371**	**2,371**	**2,316**	**2,247**	**2,279**	**2,412**	**2,509**	**2,594**	**2,822**	**3,037**
Total World	**15,274**	**14,544**	**14,120**	**14,198**	**14,185**	**14,450**	**14,672**	**14,809**	**15,209**	**15,484**

* Denotes less than one-half the unit of measure.
+ In 1979 and 1980, Luxembourg is included in Belgium.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Heavy Fuel Oil Demand
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Canada	275	290	265	219	163	136	114	120	129	153
Mexico	222	280	291	273	320	323	334	428	469	463
United States	2,826	2,508	2,088	1,716	1,421	1,369	1,202	1,418	1,264	1,378
Other	1	1	0	1	*	*	1	1	1	1
North America	**3,324**	**3,080**	**2,644**	**2,209**	**1,904**	**1,828**	**1,650**	**1,967**	**1,863**	**1,996**
Argentina	148	118	106	97	91	85	48	97	99	88
Bahama Islands	25	24	18	18	13	12	10	7	8	5
Bolivia	NA	NA	2	*	3	2	1	5	5	5
Brazil	332	323	262	232	190	173	177	187	204	195
Chile	29	28	25	22	22	21	18	17	16	18
Colombia	17	17	17	19	15	7	5	8	17	20
Cuba	73	100	102	115	99	100	99	106	105	109
Dominican Republic	NA	NA	14	17	20	18	20	17	16	16
Ecuador	12	19	24	40	20	8	28	23	19	19
Guatemala	NA	NA	12	6	6	5	5	3	3	3
Jamaica	NA	NA	NA	NA	NA	14	13	11	19	19
Netherlands Antilles	57	97	72	115	63	66	60	41	44	41
Panama Republic	45	44	43	44	44	43	8	8	10	9
Peru	38	40	37	24	35	37	44	36	33	33
Puerto Rico	68	58	45	56	51	56	52	57	55	43
Trinidad & Tobago	14	8	2	14	13	10	10	11	2	2
Uruguay	NA	NA	13	13	8	7	7	8	8	11
Venezuela	30	67	72	70	59	52	54	67	68	67
Virgin Islands, US	37	23	18	34	24	4	9	15	22	10
Other	91	115	37	62	60	23	31	27	31	33
Central & South America	**1,017**	**1,082**	**921**	**999**	**836**	**742**	**699**	**749**	**786**	**745**
Austria	91	90	78	70	59	54	51	56	55	47
Belgium	+ 191	+ 179	135	141	112	83	81	106	105	112
Denmark	101	85	70	61	50	45	44	41	36	34
Finland	92	84	78	72	61	57	53	62	55	48
France	575	500	383	378	342	229	190	172	177	166
Germany, West	408	413	331	337	275	207	200	287	234	207
Greece	111	109	89	88	79	70	70	77	81	83
Ireland	52	47	37	28	23	19	19	31	20	16
Italy	669	623	730	725	667	518	497	559	612	574
Luxembourg	+ NA	+ NA	2	2	2	1	1	2	4	5
Netherlands	258	250	232	212	156	114	124	174	167	189
Norway	39	29	18	26	16	19	18	20	18	13
Portugal	67	57	38	80	84	74	60	68	60	52
Spain	381	382	342	360	315	244	173	183	183	170
Sweden	232	203	169	127	103	85	89	90	88	76
Switzerland	18	23	19	16	16	13	12	15	12	13
Turkey	109	130	116	123	123	107	111	118	128	120
United Kingdom	534	380	313	370	294	519	318	281	233	253
Yugoslavia	136	133	90	97	111	108	107	87	101	108
Other	6	10	7	7	9	6	10	13	12	14
Western Europe	**4,070**	**3,726**	**3,277**	**3,320**	**2,897**	**2,572**	**2,229**	**2,442**	**2,381**	**2,301**

Heavy Fuel Oil Demand
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Albania	7	9	8	10	11	11	11	14	13	12
Bulgaria	131	133	130	130	130	188	142	133	130	130
Czechoslovakia	171	174	161	136	134	132	132	123	135	135
Germany, East	147	150	134	134	119	113	84	106	85	71
Hungary	78	51	52	44	47	46	56	49	43	38
Poland	79	74	73	56	50	47	51	54	52	52
Romania	138	124	111	105	90	81	108	118	119	118
USSR	2,481	2,493	2,545	2,564	2,595	2,515	2,465	3,127	3,065	2,817
Eastern Europe & USSR	**3,233**	**3,207**	**3,214**	**3,179**	**3,176**	**3,133**	**3,050**	**3,724**	**3,642**	**3,373**
Bahrain	NA	NA	5	4	3	1	1	*	1	1
Cyprus	NA	NA	NA	NA	NA	9	7	9	10	11
Iran	182	168	154	154	215	214	190	203	184	242
Iraq	58	50	70	69	70	55	59	90	66	79
Israel	70	81	83	73	62	61	51	53	58	66
Jordan	NA	NA	10	13	15	0	7	14	26	23
Kuwait	84	35	44	15	*	0	0	50	38	34
Lebanon	13	16	14	14	12	15	12	16	19	21
Saudi Arabia	192	242	253	132	240	250	290	244	225	243
Syria	23	36	26	30	47	42	45	45	57	57
United Arab Emirates	4	4	20	32	27	26	22	31	39	39
Yemen	NA	NA	16	19	10	20	18	19	17	16
Other	35	38	9	14	14	7	16	38	19	14
Middle East	**662**	**670**	**704**	**569**	**715**	**698**	**719**	**811**	**759**	**846**
Algeria	6	6	5	5	8	11	3	9	7	9
Angola	NA	NA	NA	NA	NA	9	10	10	10	10
Egypt	88	98	117	124	137	163	175	186	181	186
Ivory Coast	NA	NA	NA	NA	NA	8	8	8	8	10
Kenya	NA	NA	12	9	6	8	7	10	9	8
Libya	NA	NA	NA	NA	NA	35	47	45	41	40
Morocco	32	32	33	33	35	36	40	35	28	27
Nigeria	12	15	17	24	20	5	25	19	24	35
South Africa	62	82	80	84	61	65	60	65	65	65
Sudan	NA	NA	NA	NA	NA	5	5	7	6	5
Tunisia	NA	NA	18	19	23	18	19	21	14	21
Zaire	NA	NA	NA	NA	NA	0	3	5	1	1
Other	108	111	93	109	115	43	37	32	35	40
Africa	**307**	**344**	**375**	**407**	**405**	**405**	**439**	**452**	**428**	**458**

Heavy Fuel Oil Demand
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Australia	86	77	63	61	62	69	60	44	41	43
China	603	600	590	530	510	512	525	636	698	653
Guam	NA	NA	NA	NA	NA	2	*	*	0	0
Hong Kong	71	74	77	65	54	50	38	42	35	43
India	130	132	171	130	139	84	69	157	155	186
Indonesia	47	43	47	53	70	70	50	66	73	69
Japan	2,202	1,875	1,648	1,189	1,369	1,048	899	866	829	851
Korea, North	NA	NA	8	8	10	11	12	14	14	14
Korea, South	253	280	263	252	256	232	208	215	204	233
Malaysia	49	46	53	63	58	68	51	55	51	57
Myanmar (Burma)	NA	NA	NA	NA	NA	3	4	4	2	2
New Zealand	11	17	11	7	6	6	6	5	5	5
Pakistan	11	11	14	11	21	31	33	39	41	40
Philippines	80	75	72	69	94	50	55	61	80	78
Singapore	141	98	77	130	139	140	120	171	187	203
Sri Lanka	NA	NA	10	9	9	12	0	9	11	9
Taiwan	146	165	152	154	163	152	119	159	152	210
Thailand	68	68	63	50	56	52	40	42	44	45
Vietnam	NA	NA	7	8	9	9	9	9	9	9
Other	58	62	35	41	29	34	39	28	27	26
Asia-Pacific	**3,956**	**3,622**	**3,361**	**2,830**	**3,054**	**2,634**	**2,338**	**2,622**	**2,656**	**2,776**
Total World	**16,568**	**15,731**	**14,497**	**13,512**	**12,986**	**12,013**	**11,122**	**12,766**	**12,516**	**12,494**

* Denotes less than one-half the unit of measure.
+ In 1979 and 1980, Luxembourg is included in Belgium.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

OECD
Total Petroleum Stocks
Million Barrels

	1973	1974	1975	1976	1977	1978	1979	1980	1981
Canada	140	145	174	153	167	144	150	164	161
France	201	249	225	234	239	201	226	243	214
Germany	181	213	187	208	225	238	272	319	297
Italy	152	167	143	143	161	154	163	170	167
Japan	303	370	375	380	409	413	460	495	482
United Kingdom	156	161	165	165	148	157	169	168	143
United States	1,008	1,074	1,133	1,112	1,312	1,278	1,341	1,392	1,484
Other OECD	447	501	501	523	563	537	598	636	583
Total OECD	**2,588**	**2,880**	**2,903**	**2,918**	**3,224**	**3,122**	**3,379**	**3,587**	**3,531**

	1982	1983	1984	1985	1986	1987	1988	1989	1990
Canada	136	121	128	113	111	126	116	114	124
France	193	153	152	139	127	127	140	138	139
Germany	272	249	239	233	252	259	266	271	263
Italy	179	149	159	157	155	169	155	164	172
Japan	484	470	479	494	509	540	538	577	591
United Kingdom	125	118	112	123	124	121	112	118	113
United States	1,430	1,454	1,156	1,519	1,593	1,607	1,597	1,581	1,621
Other OECD	557	541	537	506	547	525	516	513	540
Total OECD	**3,376**	**3,255**	**2,962**	**3,284**	**3,418**	**3,474**	**3,440**	**3,476**	**3,563**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

OECD Petroleum Stocks
Million Barrels

Crude Oil Stocks

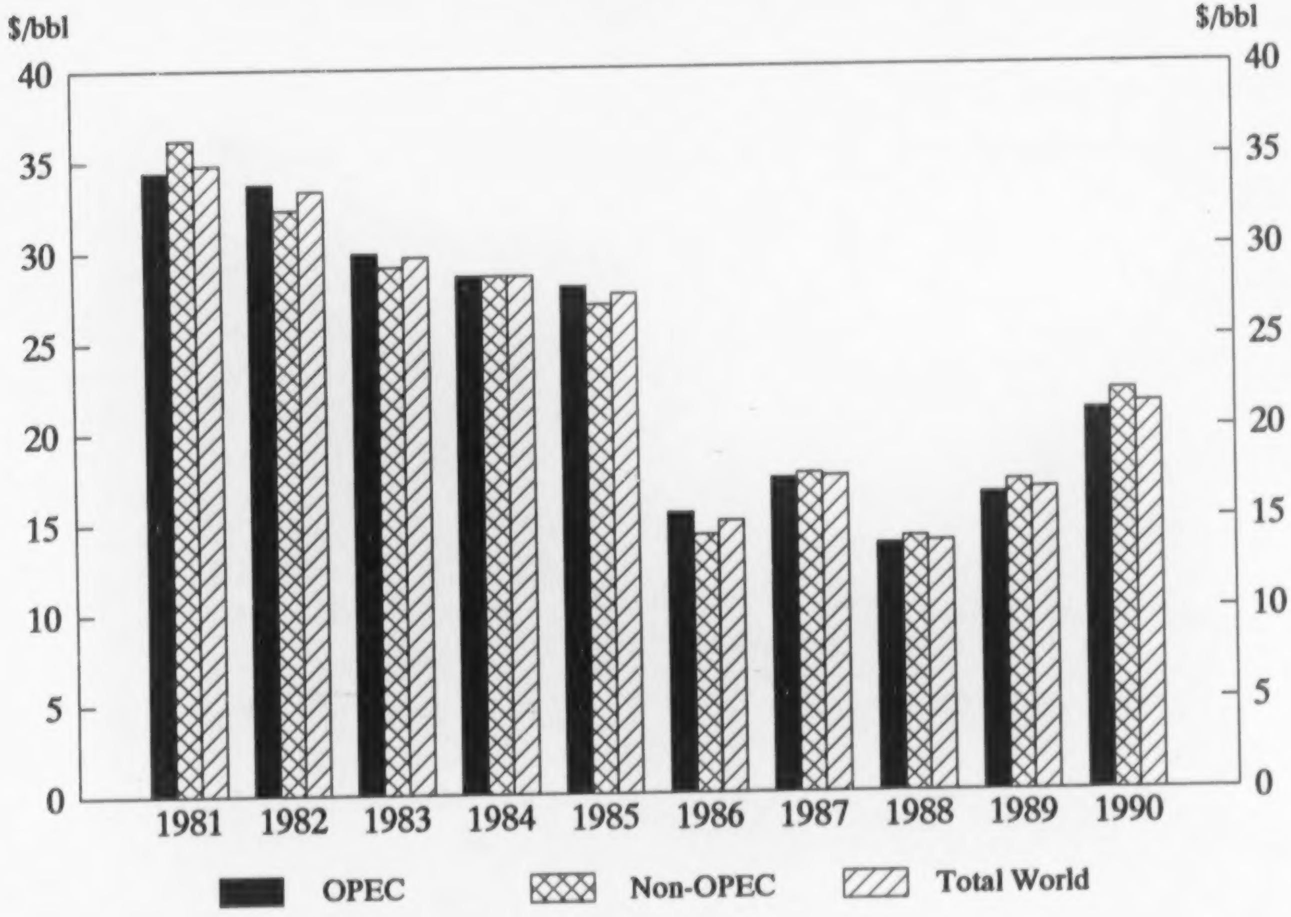
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	41	33	37	39	35	31	26	29	30	28	34	31	31
France	70	58	66	65	60	53	39	37	33	29	31	35	31
Germany	106	114	128	152	142	128	113	110	105	114	119	127	127
Italy	51	42	46	40	36	45	37	36	38	35	40	32	33
Japan	201	223	247	277	293	280	278	282	306	331	344	343	361
United Kingdom	59	62	69	77	64	61	57	52	36	34	36	27	32
United States	348	376	430	466	594	644	723	796	814	843	890	890	921
Other OECD	124	122	138	177	160	163	157	149	145	157	154	148	138
Total OECD	1,000	1,030	1,161	1,293	1,384	1,405	1,430	1,491	1,507	1,571	1,648	1,633	1,674

Petroleum Product Stocks

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	120	103	119	125	126	105	94	98	83	83	92	85	83
France	171	146	165	178	154	140	114	116	106	98	96	105	107
Germany	120	115	145	167	155	144	137	130	128	138	140	139	144
Italy	108	105	117	130	131	134	112	123	119	120	129	123	131
Japan	138	145	210	218	189	204	193	198	188	178	196	195	216
United Kingdom	88	85	94	91	79	64	62	61	87	90	85	85	86
United States	843	785	911	926	890	786	731	760	705	750	717	707	660
Other OECD	320	318	436	459	423	394	385	387	361	390	371	368	375
Total OECD	1,908	1,802	2,197	2,294	2,147	1,971	1,828	1,873	1,777	1,847	1,826	1,807	1,802

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Weighted Average Crude Oil Prices *



* Average price (FOB) weighted by estimated exoprt volumes

Source: EIA

Selected Crude Oil Prices
January 1
US Dollars per Barrel

	1973	1974	1975	1976	1977	1978	1979	1980
North America								
Canada - Lloydminster (22)	*	*	*	*	*	*	14.25	26.60
Mexico - Isthmus (33)	*	*	*	12.10	13.35	13.40	14.10	32.00
United States - West Texas Int. (40) +	NA	NA	NA	NA	NA	NA	NA	NA
United States - Refinery Acquisition Cost of US Imported Crude	NA	NA	NA	NA	NA	NA	NA	30.75
Central & South America								
Colombia - Cano Limon (30)	NA	NA	NA	NA	NA	NA	NA	*
Ecuador - Oriente (30)	2.14	11.29	11.45	11.45	13.00	12.65	13.03	33.50
Venezuela - Tia Juana (26)	2.63	10.13	10.59	11.12	12.72	12.82	13.36	25.20
Western Europe								
Norway - Ekofisk Blend (42)	*	*	*	*	14.33	14.20	15.10	32.50
United Kingdom - Forties (37)	*	*	*	*	14.1	13.65	15.5	29.75
United Kingdom - Brent Blend (38)	*	*	*	*	*	*	15.70	26.02
Middle East								
Iran - Iranian Light (34)	2.40	11.04	10.67	11.62	12.81	12.81	13.45	30.37
Iraq - Basrah Light (35)	2.38	10.85	10.48	11.53	12.58	12.58	13.21	27.96
Iraq - Kirkuk Blend (36)	*	*	*	*	*	13.17	13.83	29.29
Kuwait Kuwa.t Blend (31)	2.31	10.74	10.37	11.30	12.37	12.27	12.83	27.50
Saudi Arabia - Arabian Light (34)	2.41	10.84	10.46	11.51	12.09	12.70	13.34	26.00
United Arab Emirates - Murban (39)	2.47	11.75	10.87	11.92	12.50	13.23	14.10	29.56
Africa								
Algeria - Saharan Blend (44)	14.00	14.00	12.00	12.85	14.30	14.25	14.81	30.00
Libya - Es Sider (37)	11.98	11.98	11.10	12.21	13.74	13.80	14.52	34.50
Nigeria - Bonny Light (37)	13.66	13.66	10.85	12.70	14.31	14.31	14.80	29.97
Asia-Pacific								
Indonesia - Minas (34)	10.80	10.80	12.60	12.80	13.55	13.55	13.90	27.50

Selected Crude Oil Prices
January 1
US Dollars per Barrel

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
North America										
Canada - Lloydminster (22)	34.09	28.86	25.91	24.55	24.32	21.41	14.03	16.55	9.97	14.98
Mexico - Isthmus (33)	38.50	35.00	32.50	29.00	29.00	26.21	17.00	14.83	14.53	19.90
United States - West Texas Int. (40) +	NA	NA	32.00	30.00	28.38	28.00	17.85	16.55	16.95	21.38
United States - Refinery Acquisition Cost of US Imported Crude	38.85	35.54	31.40	28.80	27.51	24.93	16.45	16.10	15.98	20.51
Central & South America										
Colombia - Cano Limon (30)	*	*	*	*	*	*	17.50	15.85	15.20	20.15
Ecuador - Oriente (30)	40.06	34.25	32.50	27.50	27.50	26.15	15.86	15.46	13.56	18.81
Venezuela - Tia Juana (26)	32.88	32.88	32.88	27.88	27.88	27.10	16.72	15.72	12.27	24.69
Western Europe										
Norway - Ekofisk Blend (42)	40.00	37.25	34.25	30.25	28.50	26.61	16.86	17.60	15.85	20.75
United Kingdom - Forties (37)	39.25	36.5	33.5	29.9	28.55	25.55	NA	NA	NA	NA
United Kingdom - Brent Blend (38)	39.25	36.60	33.50	30.00	28.65	26.00	18.25	18.00	15.80	21.00
Middle East										
Iran - Iranian Light (34)	37.00	34.20	31.20	28.00	28.00	28.05	16.14	15.55	12.75	18.20
Iraq - Basrah Light (35)	35.96	34.93	34.21	29.21	*	25.1	NA	NA	NA	NA
Iraq - Kirkuk Blend (36)	37.50	34.93	34.83	29.83	29.83	28.18	17.60	16.20	14.40	19.45
Kuwait Kuwait Blend (31)	35.50	32.30	32.30	27.30	27.55	27.10	16.70	16.67	12.30	17.35
Saudi Arabia - Arabian Light (34)	32.00	34.00	34.00	29.00	29.00	28.00	16.15	17.52	13.15	18.40
United Arab Emirates - Murban (39)	36.56	35.50	34.56	29.56	29.31	28.15	15.55	17.92	13.70	19.05
Africa										
Algeria - Saharan Blend (44)	40.00	37.00	35.50	30.50	30.50	29.50	17.30	18.87	16.10	21.15
Angola - Cabinda (32)	NA	NA	NA	NA	NA	NA	16.85	16.40	14.40	19.65
Libya - Es Sider (37)	40.78	36.50	35.15	30.15	30.15	30.15	16.95	18.52	15.40	20.40
Nigeria - Bonny Light (37)	40.00	36.50	35.50	30.00	28.00	28.65	17.13	18.92	15.05	21.21
Asia-Pacific										
China - Daqing (33)	36.68	34.15	32.51	28.70	28.45	25.95	12.80	17.70	15.30	18.15
Indonesia - Minas (34)	35.00	35.00	34.53	29.53	29.53	28.53	16.28	17.56	15.50	18.55
Average Export Prices @										
OPEC	**34.42**	**33.71**	**29.89**	**17.31**	**13.68**	**28.61**	**28.00**	**15.45**	**16.41**	**21.00**
Non-OPEC	**36.16**	**32.30**	**29.13**	**17.57**	**14.04**	**28.60**	**26.98**	**14.23**	**17.12**	**22.08**
Total World	**34.81**	**33.33**	**29.66**	**17.41**	**13.80**	**28.60**	**27.60**	**14.97**	**16.66**	**21.36**

* No significant volume of exports.
+ US domestic prices are January averages.
@ Average price (FOB) weighted by estimated export volumes.
Excludes U.S. crude oil since it is not exported.

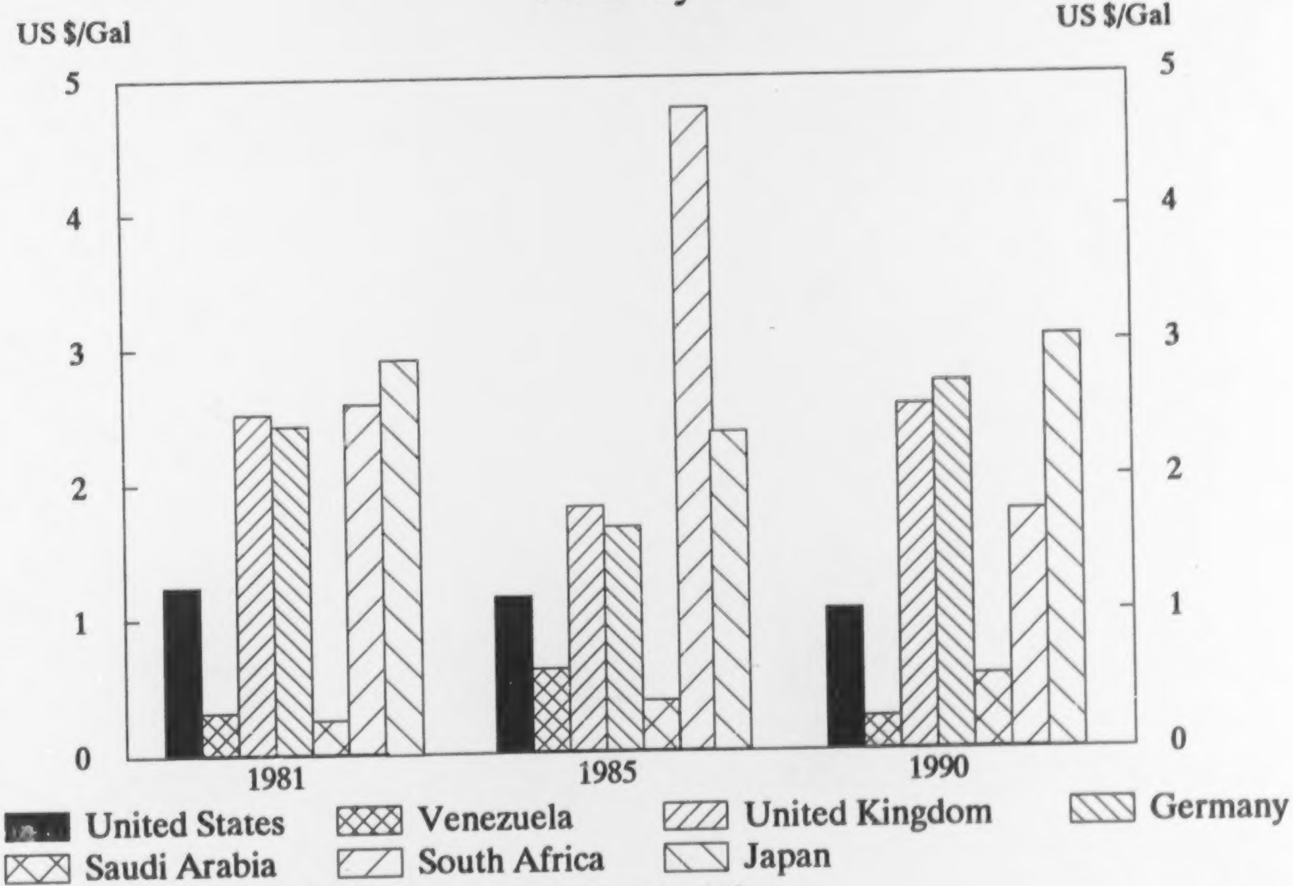
Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Natural Gas Prices (Including Taxes)
Selected OECD Countries
US Dollars per Thousand Cubic Feet

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
United States												
Industrial	1.54	2.03	2.48	2.97	3.70	4.25	4.14	3.96	3.03	2.71	2.96	2.92
Electricity Generation	1.45	1.73	2.22	2.84	3.41	3.55	3.64	3.51	2.44	2.32	2.34	2.43
Residential	2.58	3.22	3.93	4.22	5.11	6.19	6.38	6.42	6.08	5.56	5.49	5.63
Canada												
Industrial	1.44	1.52	1.69	2.30	2.68	2.96	2.80	2.68	2.52	2.41	2.38	2.16
Electricity Generation	1.14	1.08	1.09	1.53	1.99	2.03	2.35	NA	NA	NA	NA	NA
Residential	2.51	2.39	2.68	3.34	3.80	4.46	4.31	4.16	3.87	4.18	4.41	4.54
France												
Industrial	2.35	2.73	4.19	4.45	4.48	4.22	3.98	4.29	3.74	3.55	3.18	NA
Electricity Generation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Residential	6.88	7.62	9.86	9.68	9.74	9.17	8.48	8.96	10.84	10.38	10.30	NA
Germany, West												
Industrial	2.55	2.88	3.74	3.89	4.93	4.49	4.31	4.43	4.69	3.64	3.36	NA
Electricity Generation	1.86	2.20	3.02	3.42	3.77	3.46	3.49	3.54	3.87	3.55	2.98	NA
Residential	5.92	6.58	7.99	7.75	8.47	7.97	7.18	7.19	8.92	7.63	7.57	NA
Italy												
Industrial	1.98	2.80	4.13	4.69	4.19	4.23	4.31	NA	2.42	2.81	2.14	NA
Electricity Generation	1.95	2.80	4.19	4.68	4.03	4.01	4.15	3.59	1.71	2.41	1.56	2.18
Residential	4.36	5.35	5.01	4.98	6.90	8.23	7.50	NA	8.30	9.18	10.50	NA
United Kingdom												
Industrial	2.13	2.62	3.86	4.02	3.80	3.32	3.01	3.50	3.74	3.69	3.86	NA
Electricity Generation	1.62	2.15	2.85	5.29	4.12	3.61	3.19	3.65	3.73	5.04	5.48	NA
Residential	3.43	3.95	5.25	5.54	5.89	5.68	5.17	5.23	5.73	6.64	7.25	NA
Netherlands												
Industrial	2.09	2.60	3.48	3.95	4.11	3.79	3.91	NA	NA	2.77	2.58	NA
Electricity Generation	1.88	2.60	3.88	4.15	4.19	3.86	3.79	NA	NA	2.70	NA	NA
Residential	3.84	4.24	5.40	5.58	6.08	6.05	5.74	5.87	7.78	6.77	6.70	5.95
Australia												
Industrial	0.97	1.10	0.83	0.99	1.53	2.08	2.15	1.81	2.38	2.60	2.77	2.78
Electricity Generation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Residential	3.67	3.82	4.13	4.56	4.53	4.63	5.00	4.18	4.30	5.04	5.66	5.66
Japan												
Industrial	9.33	8.94	10.70	11.87	10.54	10.79	10.38	10.25	12.12	11.81	11.39	10.49
Electricity Generation	2.26	3.09	4.66	5.67	5.39	4.94	4.82	4.63	3.56	3.25	3.33	3.44
Residential	11.74	11.40	14.72	16.45	14.61	15.21	15.19	15.26	19.90	21.50	23.28	23.07

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Motor Gasoline Prices (including Taxes)
Premium Leaded*
January 1



* Prices for United States are for regular unleaded.

Source: EIA

Motor Gasoline Prices (Including Taxes)
Premium Leaded *
January 1
US Dollars Per Gallon

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
North America										
Canada	1.06	NA	1.46	1.44	1.55	1.38	1.30	1.52	1.65	1.92
Mexico	1.13	1.45	0.76	0.94	1.36	1.02	0.71	0.99	0.95	0.88
United States	1.24	1.22	1.15	1.13	1.15	1.19	0.82	0.91	0.92	1.04
Central & South America										
Argentina	2.63	NA	1.00	1.40	1.95	1.82	1.83	1.24	1.85	1.28
Bolivia	0.91	1.06	0.66	0.76	0.76	0.98	1.14	1.18	1.47	1.46
Brazil	NA	NA	2.47	2.00	1.92	1.81	2.94	2.18	1.77	1.41
Chile	2.00	NA	1.74	1.79	1.68	1.64	1.23	NA	1.20	1.21
Colombia	1.03	1.10	1.08	0.85	NA	0.70	NA	NA	0.72	NA
Dominican Republic	2.39	2.57	NA	2.30	1.21	1.25	NA	NA	0.56	0.94
Ecuador	0.80	NA	1.21	0.73	0.97	0.67	0.44	NA	1.80	0.52
El Salvador	2.56	2.98	NA	NA	NA	3.88	NA	NA	2.08	1.88
Jamaica	2.17	2.17	2.17	2.27	1.50	1.66	1.65	1.64	1.65	2.02
Panama	2.17	2.32	2.32	2.28	2.28	1.98	NA	1.98	1.98	1.98
Paraguay	4.51	4.21	6.01	4.02	3.47	4.10	5.03	3.50	1.44	1.33
Peru	0.84	1.13	1.21	1.09	1.12	1.50	1.50	1.02	2.00	1.28
Uruguay	4.11	4.14	NA	3.05	2.33	2.86	2.29	2.58	2.27	2.50
Venezuela	0.31	0.31	0.88	0.88	0.61	0.60	0.75	0.39	0.39	0.24
Western Europe										
Austria	2.65	2.76	2.49	2.26	2.10	2.60	2.64	2.86	3.02	3.15
Belgium	3.00	2.79	2.64	2.24	1.92	2.26	2.37	2.57	2.80	3.13
Denmark	3.13	2.90	2.86	2.40	2.05	2.54	3.58	3.72	3.90	3.64
Finland	3.15	2.79	NA	2.44	2.27	2.63	2.64	3.11	3.16	3.40
France	2.99	NA	2.68	2.24	2.18	2.58	2.95	3.08	3.11	3.40
Germany	2.43	NA	2.27	1.88	1.66	2.04	2.09	2.18	2.53	2.72
Greece	2.91	NA	2.68	1.85	1.90	2.04	2.16	2.15	2.15	2.16
Ireland	2.54	NA	NA	NA	NA	2.97	3.24	3.39	3.54	3.63
Italy	3.38	NA	3.30	2.96	2.52	3.09	3.71	4.09	3.91	4.27
Luxembourg	2.34	2.34	1.92	1.85	1.58	2.02	1.94	2.04	2.24	2.32
Netherlands	2.71	2.50	2.44	2.30	1.87	2.26	2.84	3.01	3.02	3.35
Norway	2.99	2.89	2.73	2.49	2.17	2.52	2.72	2.89	3.27	3.61
Portugal	3.54	3.37	3.15	2.70	2.40	2.76	2.98	3.25	3.25	3.30
Spain	3.11	2.88	2.69	2.30	2.02	2.30	2.28	2.58	2.45	2.73
Sweden	2.80	NA	2.24	2.07	1.88	2.26	2.39	2.68	2.92	3.23
Switzerland	2.58	NA	2.37	NA	1.69	2.18	2.38	2.53	2.72	2.66
Turkey	NA	1.62	NA	1.83	1.56	1.25	NA	1.36	1.63	1.97
United Kingdom	2.52	2.50	NA	2.31	1.81	2.24	2.24	2.43	2.59	2.55
Yugoslavia	3.12	2.86	2.44	2.14	1.99	NA	2.03	2.04	1.25	2.16

Motor Gasoline Prices (Including Taxes)
Premium Leaded *
January 1
US Dollars Per Gallon

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Middle East										
Iran	2.16	NA	NA	NA	NA	1.59	NA	NA	NA	NA
Israel	3.07	2.08	2.37	NA	1.97	NA	NA	NA	1.89	2.20
Lebanon	NA	NA	NA	NA	NA	NA	NA	0.64	0.60	NA
Saudi Arabia	0.25	NA	0.24	0.23	0.37	NA	0.35	0.54	0.54	0.54
Africa										
Ethiopia	1.65	2.36	2.36	2.36	2.36	NA	2.40	2.35	2.18	2.93
Ghana	3.42	3.72	3.73	0.97	1.42	1.08	NA	1.11	1.22	0.76
Morocco	3.10	NA	2.84	2.42	2.42	2.39	NA	2.94	2.79	2.86
South Africa	2.59	2.30	2.17	2.57	4.76	1.58	1.50	NA	1.66	1.76
Tunisia	2.20	2.06	1.94	1.63	1.65	2.17	2.08	2.22	1.65	2.01
Asia-Pacific										
Australia	1.87	NA	1.85	2.05	1.51	2.68	1.41	1.51	1.63	1.86
India	NA	2.60	NA	NA	NA	NA	2.17	2.15	2.14	1.92
Indonesia	1.33	NA	2.19	1.52	1.55	NA	NA	1.00	0.84	NA
Japan	2.93	2.91	2.85	2.55	2.37	2.84	2.89	3.49	3.41	3.05
Myanmar (Burma)	NA	NA	NA	NA	NA	0.45	NA	NA	2.97	2.94
New Zealand	NA	NA	NA	NA	NA	1.76	1.69	2.31	2.31	NA
Pakistan	2.11	2.19	1.76	1.84	NA	1.83	1.67	1.67	1.76	1.52
Philippines	2.45	2.45	2.14	1.75	NA	1.47	1.28	1.39	1.03	1.19
Singapore	1.85	NA	2.03	2.42	2.08	2.17	1.66	1.75	1.76	NA
Sri Lanka	1.98	NA	1.79	2.10	2.33	1.86	1.79	1.66	1.55	1.89
Thailand	2.22	2.21	2.21	1.92	1.62	1.66	1.30	1.34	1.27	1.24

* Prices for United States are for regular unleaded gasoline.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Light Fuel Oil Prices
for Industrial Use
January 1 *
US Dollars per Barrel

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
North America													
Canada	17.22	18.90	21.42	29.40	33.18	34.44	34.02	35.28	42.53	0.63	28.56	43.55	45.78
Mexico	NA	NA	NA	NA	NA	NA	NA	NA	11.21	10.28	NA	31.13	28.10
United States	16.38	23.10	34.44	44.52	43.68	36.96	36.12	34.86	33.64	19.32	26.04	26.46	32.47
Central & South America													
Argentina	NA	NA	NA	NA	NA	NA	NA	NA	30.49	34.51	18.09	17.79	17.14
Bolivia	NA	NA	NA	NA	NA	NA	NA	NA	36.25	49.68	34.39	35.82	39.75
Brazil	NA	NA	NA	NA	NA	NA	NA	NA	20.87	42.26	21.44	22.43	12.59
Chile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.31	30.39
Dominican Republic	NA	NA	NA	NA	NA	NA	NA	NA	42.71	NA	NA	15.54	16.38
Ecuador	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.92	NA	54.60	15.54
El Salvador	NA	NA	NA	NA	NA	NA	NA	NA	42.00	NA	NA	21.00	21.00
Jamaica	NA	NA	NA	NA	NA	NA	NA	NA	45.94	34.27	49.42	49.60	41.98
Panama	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.42	46.20	46.20
Paraguay	NA	NA	NA	NA	NA	NA	NA	NA	89.89	101.85	71.14	30.21	28.44
Peru	NA	NA	NA	NA	NA	NA	NA	NA	43.88	39.32	16.67	19.74	15.78
Uruguay	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.92	34.66	38.32
Venezuela	NA	NA	NA	NA	NA	NA	NA	NA	5.94	7.42	3.07	3.07	1.84
Western Europe													
Austria	NA	NA	NA	NA	NA	NA	NA	NA	45.55	NA	NA	NA	28.56
Belgium	NA	NA	NA	NA	NA	NA	NA	NA	37.40	26.04	26.63	26.88	28.14
Denmark	NA	NA	NA	NA	NA	NA	NA	NA	42.84	34.86	34.86	38.64	36.96
Finland	NA	NA	NA	NA	NA	NA	NA	NA	45.16	34.44	31.50	27.72	42.00
France	28.56	37.38	55.44	56.28	55.02	52.08	47.46	51.24	59.67	1.18	49.98	51.24	NA
Germany, West	21.84	38.64	47.88	44.52	45.78	39.48	37.38	37.80	36.72	0.65	26.24	30.66	35.11
Greece	NA	NA	NA	NA	NA	NA	NA	NA	44.52	44.10	36.58	44.10	37.80
Ireland	NA	NA	NA	NA	NA	NA	NA	NA	46.62	44.52	42.84	40.32	42.84
Italy	24.78	30.66	49.56	44.52	48.72	49.98	47.88	47.46	52.92	1.38	66.36	70.14	89.04
Luxembourg	NA	NA	NA	NA	NA	NA	NA	NA	45.66	31.08	31.50	32.76	36.96
Netherlands	28.14	31.50	47.04	44.52	46.20	41.16	37.38	NA	NA	NA	NA	47.46	NA
Norway	NA	NA	NA	NA	NA	NA	NA	NA	42.00	34.86	44.10	38.22	48.30
Portugal	NA	NA	NA	NA	NA	NA	NA	NA	70.14	70.98	84.44	41.90	86.10
Spain	NA	NA	NA	NA	NA	NA	NA	NA	46.97	37.38	47.34	39.90	45.36
Sweden	22.26	32.76	49.98	52.92	55.02	47.46	47.88	48.30	34.59	1.08	46.62	51.66	63.42
Switzerland	NA	NA	NA	NA	NA	NA	NA	NA	38.22	26.88	25.20	28.98	33.60
Turkey	NA	NA	NA	NA	NA	NA	NA	NA	35.28	NA	42.42	NA	NA
United Kingdom	20.16	30.66	47.88	47.04	44.94	39.90	36.54	38.22	18.88	NA	NA	29.82	NA
Yugoslavia	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.80	68.47	15.20	NA

Light Fuel Oil Prices
for Industrial Use
January 1 *
US Dollars per Barrel

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Middle East													
Iran	NA	NA	NA	NA	NA	NA	NA	NA	15.41	NA	NA	NA	NA
Lebanon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.97	21.91	NA
Saudi Arabia	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.02	38.13	36.04	36.00
Africa													
Ethiopia	NA	NA	NA	NA	NA	NA	NA	NA	NA	46.08	46.54	NA	41.47
Ghana	NA	NA	NA	NA	NA	NA	NA	NA	22.98	NA	23.96	22.09	22.04
Morocco	NA	NA	NA	NA	NA	NA	NA	NA	29.65	NA	36.58	34.71	35.61
South Africa	NA	NA	NA	NA	NA	NA	NA	NA	42.60	40.44	NA	NA	65.09
Tunisia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	49.98
Asia-Pacific													
Australia	21.00	26.88	41.58	48.72	49.56	57.54	NA	NA	NA	NA	NA	NA	NA
India	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.70	48.40	34.05	33.91
Indonesia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.07	18.48	17.65
Japan	25.20	26.88	47.88	54.60	56.28	57.12	55.02	52.08	64.39	44.52	49.04	43.68	37.80
Myanmar (Burma)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	56.26
New Zealand	NA	NA	NA	NA	NA	NA	NA	NA	56.28	0.70	42.00	42.00	NA
Pakistan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.16	14.35	12.42
Philippines	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.98	NA	17.31	24.25
Singapore	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.04	25.83	26.31	NA
Sri Lanka	NA	NA	NA	NA	NA	NA	NA	NA	53.65	51.65	47.87	44.68	36.52
Thailand	NA	NA	NA	NA	NA	NA	NA	NA	39.97	38.58	39.70	37.68	36.30

* Prices for 1978-1985 are yearly averages.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Light Fuel Oil Prices
for Residential Use
January 1 *
US Dollars per Gallon

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
North America													
Canada	0.41	0.44	0.53	0.66	0.88	0.98	0.99	1.09	1.01	0.76	0.94	1.01	1.09
Mexico	NA	NA	NA	NA	0.09	0.03	0.14	0.16	0.21	0.18	0.23	0.74	0.27
United States	0.48	0.66	0.94	1.14	1.22	1.15	1.12	1.05	1.06	0.73	0.62	0.63	0.81
Central & South America													
Argentina	NA	NA	NA	1.58	NA	0.26	0.50	0.45	0.69	NA	NA	0.39	0.41
Bolivia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.85
Brazil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.58	0.85
Chile	NA	NA	NA	NA	NA	NA	NA	NA	0.90	NA	NA	0.93	1.17
Colombia	NA	NA	NA	0.41	1.13	NA	NA	NA	0.25	NA	NA	NA	NA
Dominican Republic	NA	NA	NA	0.97	1.15	NA	1.15	1.21	1.07	NA	NA	0.37	NA
Ecuador	NA	NA	NA	0.40	NA	NA	NA	NA	NA	NA	NA	1.30	NA
Jamaica	NA	NA	NA	NA	NA	NA	NA	NA	0.95	0.73	NA	NA	NA
Uruguay	NA	NA	NA	1.37	1.38	NA	1.24	1.03	1.29	1.03	1.16	1.20	0.98
Venezuela	NA	NA	NA	NA	0.24	0.24	NA	NA	NA	NA	NA	NA	0.04
Western Europe													
Austria	NA	NA	NA	1.52	1.57	1.44	1.45	1.18	1.08	1.25	1.27	1.23	0.80
Belgium	NA	NA	NA	1.27	1.41	1.29	1.07	0.97	1.04	0.72	0.74	0.75	0.96
Denmark	NA	NA	NA	1.66	1.68	1.66	1.30	1.19	1.49	2.22	2.27	2.37	2.32
Finland	NA	NA	NA	1.36	1.16	NA	1.05	0.79	1.07	0.82	0.89	0.79	1.21
France	0.72	0.93	1.38	1.49	1.37	1.53	1.19	1.15	1.38	1.20	1.20	1.22	1.40
Germany, West	0.58	1.04	1.29	1.29	1.23	1.21	1.03	1.29	1.00	0.74	0.71	0.82	0.95
Greece	NA	NA	NA	NA	NA	1.21	NA	NA	1.06	1.05	1.05	1.05	0.90
Ireland	NA	NA	NA	NA	NA	NA	NA	NA	1.22	1.18	1.23	1.28	1.43
Italy	0.66	0.84	1.34	1.20	1.31	1.06	0.94	1.23	1.48	1.63	1.86	1.99	2.53
Luxembourg	NA	NA	NA	1.33	1.26	1.05	1.02	0.87	1.15	0.78	0.75	0.83	0.94
Netherlands	0.92	0.92	1.35	1.36	1.42	1.34	0.97	1.07	1.17	1.14	1.09	1.13	1.25
Norway	NA	NA	NA	1.52	1.48	1.43	1.25	1.08	1.23	1.00	1.05	1.09	1.38
Portugal	NA	NA	NA	NA	1.63	NA	NA	NA	1.68	1.75	2.02	2.02	2.13
Spain	NA	NA	NA	1.36	1.24	0.68	0.59	0.96	1.12	0.99	1.12	1.06	1.21
Sweden	0.53	0.75	1.21	1.24	1.29	1.27	1.15	1.09	1.32	1.10	1.11	1.48	1.74
Switzerland	NA	NA	NA	1.12	NA	1.04	NA	0.89	0.92	0.71	0.68	0.77	0.88
Turkey	NA	NA	NA	NA	0.92	NA	1.11	0.80	0.84	NA	0.72	0.54	0.96
United Kingdom	0.62	0.86	1.29	1.24	1.26	1.20	1.16	0.95	1.06	0.82	0.78	0.71	0.81
Yugoslavia	NA	NA	NA	1.56	1.47	1.26	1.09	1.01	NA	0.90	NA	0.53	0.84

Light Fuel Oil Prices
for Residential Use
January 1 *
US Dollars per Gallon

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Middle East													
Iran	NA	NA	NA	0.06	NA	NA	NA	NA	0.41	NA	NA	NA	NA
Israel	NA	NA	NA	1.19	1.13	1.03	NA	1.00	NA	NA	NA	1.21	0.75
Lebanon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.48	0.52	NA
Africa													
Ethiopia	NA	NA	NA	0.56	0.84	1.33	1.33	1.10	NA	1.21	1.31	NA	NA
Morocco	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.91	0.95
South Africa	NA	NA	NA	2.40	1.69	1.60	NA	NA	NA	0.96	NA	NA	1.59
Tunisia	NA	NA	NA	0.48	0.54	0.63	0.53	54.00	0.78	1.15	0.85	0.82	0.79
Asia-Pacific													
Australia	0.58	0.75	1.12	1.32	1.39	1.49	1.54	NA	NA	NA	NA	NA	1.43
India	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indonesia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.51	0.44	0.42
Japan	0.81	0.85	1.41	1.54	1.95	1.92	1.72	1.30	1.84	1.10	1.12	1.04	1.03
Myanmar (Burma)	NA	NA	NA	0.30	NA	NA	NA	NA	0.24	NA	NA	NA	1.56
New Zealand	NA	NA	NA	NA	NA	NA	NA	NA	1.38	1.27	1.75	1.74	NA
Philippines	NA	NA	NA	NA	NA	NA	NA	NA	0.82	NA	0.52	NA	NA
Singapore	NA	NA	NA	NA	NA	0.89	0.83	0.64	0.71	NA	NA	NA	NA
Thailand	NA	NA	NA	1.33	0.77	0.77	0.59	0.50	0.51	0.47	0.47	NA	NA

* Prices for 1978-1980 are yearly averages.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Heavy Fuel Oil Prices
for Industrial Use
January 1 *
US Dollars per Barrel

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
North America													
Canada	10.69	12.40	14.33	18.90	NA	NA	NA	NA	NA	13.19	15.46	16.56	23.49
Mexico	NA	NA	NA	2.45	3.19	1.13	4.96	7.05	7.57	15.51	7.34	9.04	9.74
United States	11.79	15.98	21.05	31.35	27.26	27.05	30.91	29.85	22.22	12.18	15.92	15.25	21.84
Central & South America													
Argentina	NA	NA	NA	25.45	NA	10.87	18.69	17 07	20.24	18.11	12.68	NA	9.28
Bolivia	NA	NA	NA	25.44	NA	NA	NA	NA	NA	NA	NA	NA	NA
Brazil	NA	NA	NA	24.73	NA	26.84	26.83	27.39	23.22	NA	16.67	15.98	9.55
Chile	NA	NA	NA	28.64	NA	47.54	45.00	43.29	40.84	12.71	NA	17.57	21 96
Colombia	NA	NA	NA	36.18	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dominican Republic	NA	NA	NA	22.82	30.36	NA	30.24	48.88	54.10	NA	NA	NA	16.38
Ecuador	NA	NA	NA	11.76	NA	8.91	9.24	15.62	10.76	20.65	NA	54.60	11.78
El Salvador	NA	NA	NA	NA	NA	NA	NA	NA	42.00	NA	NA	21.00	21.00
Jamaica	NA	NA	NA	38.39	34.03	34.03	32.11	31.63	34.20	22.76	15.93	18.75	25.08
Panama	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.37	21.21	21.21
Paraguay	NA	NA	NA	55.52	55.52	55.52	43.72	44.38	49.68	69.44	47.70	19.08	17.84
Peru	NA	NA	NA	10.41	NA	29.43	26.54	26.04	37.20	33.56	13.62	12.09	11.28
Uruguay	NA	NA	NA	32.93	33.22	NA	NA	24.60	30.44	24.33	27.54	27.18	30.19
Venezuela	NA	NA	NA	1.68	1.50	1.78	NA	4.24	4.24	5.30	2.19	2.19	1.84
Western Europe													
Austria	NA	NA	NA	35.78	34.84	NA	NA	33.80	34.28	NA	NA	NA	17.11
Belgium	NA	NA	NA	43.28	31.07	36.71	NA	29.99	22.30	16.26	13.72	15.16	14.93
Denmark	NA	NA	NA	NA	47.20	45.03	NA	30.48	25.41	20.00	18.97	23.00	20.83
Finland	NA	NA	NA	34.78	28.57	NA	NA	30.55	22.92	21.42	22.43	18.54	25.53
France	13.98	18.33	27.39	35.29	NA	30.57	NA	30.86	28.90	20.21	15.28	17.15	18.51
Germany, West	15.59	20.62	28.01	34.33	NA	30.17	26.40	32.05	25.68	18.12	16.10	17.02	20.31
Greece	NA	NA	NA	29.16	NA	30.37	21.63	28.29	29.10	28.52	26.74	28.34	24.31
Ireland	NA	NA	NA	38.85	NA	NA	NA	NA	32.22	26.54	22.92	21.68	21.79
Italy	13.06	17.94	27.27	35.98	NA	37.22	30.98	30.02	23.88	15.60	12.99	15.15	24.00
Luxembourg	NA	NA	NA	44.30	28.82	NA	30.11	30.93	26.97	17.60	16.73	16.52	19.81
Netherlands	14.89	17.84	28.04	35.00	NA	NA	NA	31.58	24.60	20.93	19.91	22.94	26.77
Norway	NA	NA	NA	NA	39.62	38.90	NA	32.42	27.33	24.16	NA	31.03	44.43
Portugal	NA	NA	NA	25.24	29.63	28.07	24.19	NA	30.02	19.53	24.07	24.67	25.16
Spain	NA	NA	NA	36.04	32.63	30.76	23.75	29.51	30.36	16.57	18.74	17.57	21.22
Sweden	16.62	25.02	35.27	47.88	NA	44.31	1.03	43.54	37.36	39.88	36.68	44.39	55.61
Switzerland	NA	NA	NA	38.78	NA	28.43	NA	34.72	24.91	20.91	18.02	19.74	23.42
Turkey	NA	NA	NA	NA	27.27	NA	32.66	27.69	22.22	NA	26.46	22.21	36.24
United Kingdom	15.35	21.29	32.08	36.01	44.95	NA	NA	34.17	12.60	21.01	17.48	16.98	19.59
Yugoslavia	NA	NA	NA	53.00	54.04	44.85	25.97	31.72	NA	18.07	18.81	12.95	NA

Heavy Fuel Oil Prices for Industrial Use
January 1 *
US Dollars per Barrel

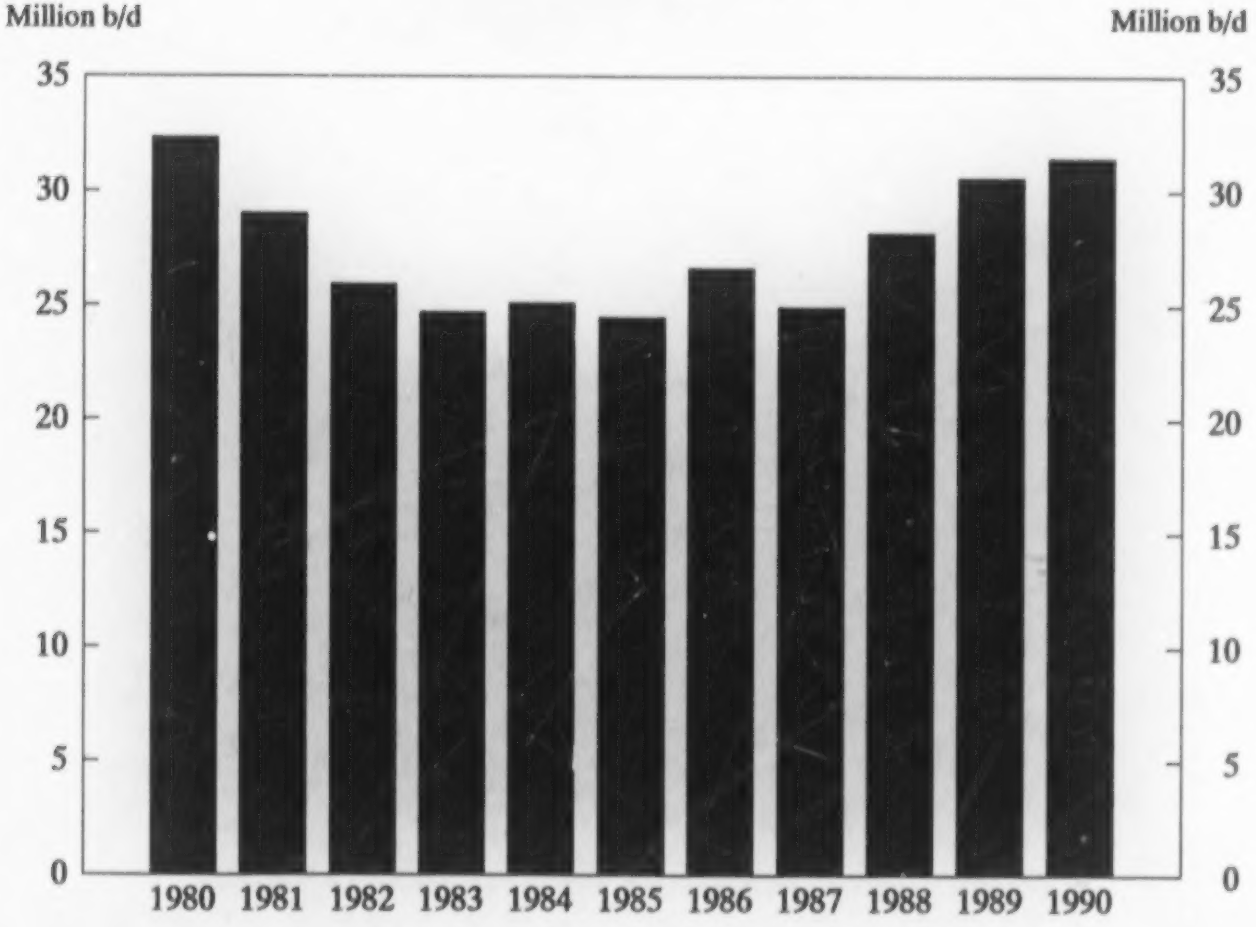
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Middle East													
Iran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Israel	NA	NA	NA	31.75	33.93	30.78	NA	28.67	NA	NA	NA	13.98	23.03
Lebanon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.03	22.99	NA
Saudi Arabia	NA	NA	NA	NA	NA	2.02	NA	6.66	NA	NA	47.67	42.40	55.10
Africa													
Ethiopia	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.48	41.47	41.48	47.00
Ghana	NA	NA	NA	43.39	43.39	43.39	21.68	29.73	20.31	NA	22.95	18.33	18.36
Morocco	NA	NA	NA	29.30	NA	32.37	30.21	30.90	27.90	NA	34.44	32.66	33.48
South Africa	NA	NA	NA	44.27	35.77	37.86	46.94	103.48	31.34	29.75	NA	52.99	35.67
Tunisia	NA	NA	NA	12.24	15.24	18.29	15.36	16.38	17.14	16.42	16.69	16.23	15.64
Asia-Pacific													
Australia	13.79	17.09	29.89	NA	NA	38.43	40.45	NA	NA	NA	NA	NA	NA
India	NA	NA	NA	NA	35.09	NA	NA	NA	NA	33.51	33.21	28.92	31.46
Indonesia	NA	NA	NA	11.40	NA	28.98	31.99	32.53	NA	NA	NA	18.48	17.65
Japan	14.12	17.44	37.47	44.52	42.04	41.07	35.86	34.40	39.75	22.00	30.57	27.76	26.14
Myanmar (Burma)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	54.60
New Zealand	NA	NA	NA	NA	NA	NA	NA	NA	36.84	27.73	38.06	38.06	NA
Pakistan	NA	NA	NA	18.96	19.48	15.02	18.30	NA	NA	13.66	11.42	10.81	14.28
Philippines	NA	NA	NA	37.20	40.83	NA	38.66	NA	NA	19.46	NA	17.31	24.25
Singapore	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.55	10.40	10.07	15.20
Sri Lanka	NA	NA	NA	31.76	NA	26.39	23.90	27.15	27.29	20.71	19.19	37.70	NA
Thailand	NA	NA	NA	34.99	30.28	30.35	24.73	10.22	21.39	15.80	18.53	18.38	17.84

* Prices for 1978-1980 are yearly averages.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Worldwide Crude Oil Trade

Total Exports (Imports)

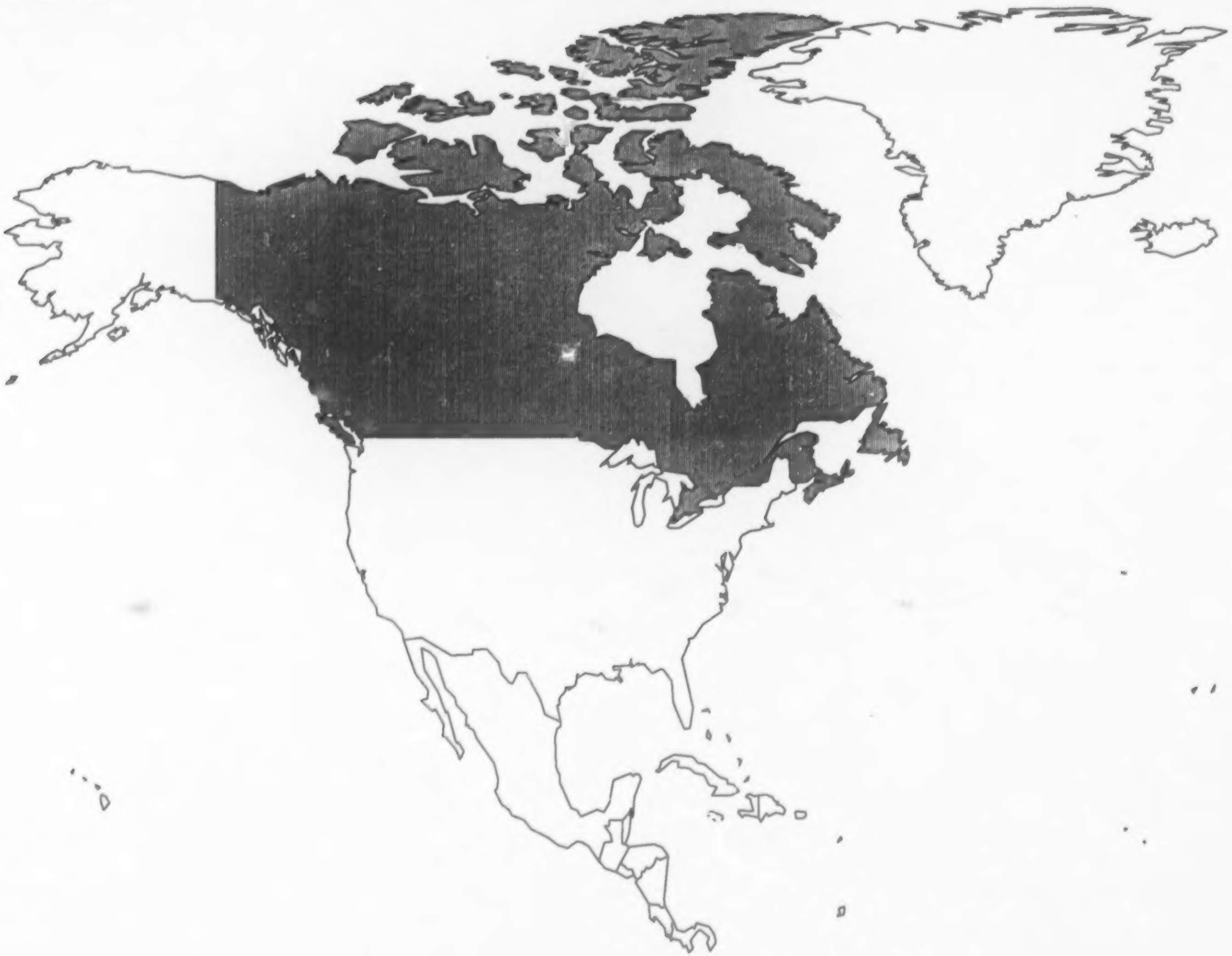


Source: BP

Notes

Canada

Size (Square Miles): 3,849,674
Location: North America



Canada

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	21,028	21,324	21,592	21,822	22,072	22,364	22,697	22,993	23,273	23,517	23,747
GNP (Mill US Dollars)	75,759	83,581	94,832	108,253	125,640	152,929	165,686	196,354	201,236	206,711	229,863
GNP per Capita (US Dollars)	3,640	3,880	4,320	4,850	5,590	6,510	7,330	8,390	8,920	9,510	10,040
Consumer Price Index (1987=100)	28.7	29.7	30.5	32.0	34.4	38.2	42.3	45.5	49.1	53.5	58.4

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	24,043	24,343	24,632	24,890	25,128	25,359	25,612	25,652	25,950	26,302
GNP (Mill US Dollars)	258,171	287,217	294,122	320,415	331,731	338,438	351,137	401,361	474,065	532,788
GNP per Capita (US Dollars)	10,680	11,860	12,020	12,770	13,690	14,160	14,150	15,190	16,940	19,020
Consumer Price Index (1987=100)	64.3	72.3	80.1	84.8	88.5	92.0	95.8	100.0	104.0	109.2

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Canada

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	3.87	1.85	0.87	2.39	0.42	9.40
1981	3.64	1.71	0.95	2.39	0.44	9.13
1982	3.24	1.66	1.03	2.35	0.42	8.70
1983	2.97	1.81	1.00	2.37	0.54	8.67
1984	3.00	1.85	1.20	2.53	0.57	9.17
1985	3.04	2.05	1.11	2.70	0.66	9.57
1986	3.03	2.03	1.04	2.83	0.78	9.71
1987	3.11	2.01	1.01	2.77	0.84	9.75
1988	3.40	2.19	1.19	2.83	0.90	10.51
1989	3.54	2.27	1.26	2.88	0.87	10.82

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	4.33	2.44	0.52	2.01	0.20	9.50
1974	4.06	2.42	0.50	2.19	0.17	9.34
1975	3.50	2.44	0.60	2.10	0.15	8.80
1976	3.22	2.46	0.59	2.21	0.20	8.68
1977	3.22	2.59	0.66	2.29	0.27	9.03
1978	3.20	2.47	0.71	2.43	0.32	9.14
1979	3.66	2.66	0.78	2.53	0.37	9.99
1980	3.53	2.64	0.85	2.61	0.42	10.06
1981	3.21	2.47	0.93	2.74	0.44	9.77
1982	3.16	2.44	0.98	2.65	0.42	9.66
1983	3.33	2.52	1.02	2.74	0.54	10.14
1984	3.55	2.61	1.34	2.95	0.57	11.01
1985	3.61	2.98	1.42	3.13	0.66	11.80
1986	3.61	2.77	1.36	3.20	0.78	11.71
1987	3.79	3.00	1.44	3.26	0.84	12.32
1988	3.99	3.47	1.66	3.16	0.90	13.17
1989	3.91	3.59	1.66	2.99	0.87	13.02

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Canada

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Seismic Crews, Land	(Average)	75.0	65.8	62.8	71.8	82.3	86.0	53.0	57.5	69.3	57.0	51.3
Active Seismic Crews, Marine	(Average)	2.8	4.5	4.5	6.5	5.3	3.8	0.5	0.5	0.8	0.8	1.3
Active Seismic Crews, Total	(Average)	77.8	70.3	67.3	78.3	87.5	89.8	53.5	58.0	70.1	57.8	52.6
Active Drilling Rigs	(Number)	401	264	199	201	259	311	178	181	196	130	138
Well Completions	(Total)	8,813	6,927	6,464	7,095	8,765	12,564	5,991	7,078	7,849	5,513	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	6,800	6,400	7,300	7,020	6,730	7,075	6,500	6,850	6,825	6,786	6,133
Nat. Gas Reserves, Beginning of Year	(bcf)	85,500	87,300	89,900	97,000	90,500	92,300	99,700	99,600	98,000	95,100	94,300
Crude Oil Production	(000 b/d)	1,440	1,286	1,241	1,384	1,406	1,456	1,464	1,514	1,610	1,575	1,508
Nat. Gas Production	(bcf)	2,935	2,623	2,629	2,429	2,600	3,196	3,406	3,216	3,916	4,196	4,255
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	2,222	2,168	2,096	2,085	1,807	1,869	1,856	1,760	1,869	1,859	1,852
Crude Refining Throughput	(000 b/d)	1,915	1,780	1,520	1,455	1,460	1,430	1,395	1,460	1,535	1,555	1,595
Crude Excess Refining Capacity	(000 b/d)	307	386	648	392	347	379	461	300	334	301	252
Crude Refinery Utilization Rate	(Percent)	86	82	70	79	81	79	75	83	82	84	86
Ethylene Capacity	(000 Tons/Yr)	NA	1,791	1,791	1,561	1,561	2,242	2,242	2,200	2,358	2,407	2,407
Gas Processing Capacity	(MMcfd)	NA	18,884	19,448	19,465	22,002	22,808	23,460	24,657	25,187	26,109	26,444
Gas Processing Throughput	(MMcfd)	NA	12,945	12,228	11,580	11,921	12,448	12,393	13,768	14,012	15,792	16,142
Gas Liquids Production	(000 gpd)	NA	15,539	15,207	14,209	15,585	17,382	15,835	16,685	19,179	21,951	22,027
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	665	646	628	609	597	568	566	554	570	NA	NA
Middle Distillate Demand	(000 b/d)	497	456	422	402	412	389	392	364	388	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	290	265	219	163	136	114	120	129	153	NA	NA
Total Product Demand	(000 b/d)	1,947	1,836	1,617	1,496	1,503	1,517	1,506	1,548	1,693	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	205	164	386	428	342	475	573	613	692	NA	NA
Pet Product Exports	(000 b/d)	127	123	91	132	256	282	334	401	498	NA	NA
Total Pet Exports	(000 b/d)	332	287	477	560	598	757	907	1,014	1,190	NA	NA
Crude Oil Imports	(000 b/d)	554	509	327	242	231	273	352	400	449	NA	NA
Pet Product Imports	(000 b/d)	43	42	40	53	93	82	103	142	157	NA	NA
Total Pet Imports	(000 b/d)	597	551	367	295	324	355	455	542	606	NA	NA
Net Crude Imports (Exports)	(000 b/d)	349	345	(59)	(186)	(111)	(202)	(221)	(213)	(243)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(84)	(81)	(51)	(79)	(163)	(200)	(231)	(259)	(341)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	265	264	(110)	(265)	(274)	(402)	(452)	(472)	(584)	NA	NA
Total Pet Imports, % of Demand	(Percent)	15.70	15.32	11.53	9.93	11.07	11.81	15.26	17.70	18.46	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	6.97	7.34	(3.46)	(8.92)	(9.36)	(13.37)	(15.16)	(15.41)	(17.79)	NA	NA
Natural Gas Exports	(bcf)	797	762	783	712	755	926	748	992	1,294	NA	NA
Natural Gas Imports	(bcf)	0	0	*	0	*	0	9	3	13	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal, Society of Exploration Geophysicists

Canada

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	380	432	383	158	164	223	225	223	216	216	226	256	259
Offshore	4	4	4	4	3	4	7	7	7	7	3	4	5
Total	384	436	387	162	167	227	232	230	223	223	229	261	264
1982													
Land	244	334	301	111	72	125	125	136	140	158	245	343	195
Offshore	5	5	2	3	5	5	5	10	10	7	6	4	5
Total	248	339	304	113	77	130	130	146	150	164	251	347	200
1983													
Land	234	227	221	70	69	166	173	231	199	188	227	281	190
Offshore	7	7	5	8	7	9	8	15	17	15	13	15	10
Total	241	233	226	78	76	174	181	245	216	203	240	296	200
1984													
Land	266	315	324	120	138	214	245	256	220	234	276	336	245
Offshore	13	14	15	14	13	14	13	14	18	13	13	11	14
Total	279	328	339	134	151	228	258	270	238	247	289	347	259
1985													
Land	318	382	386	141	156	295	307	329	286	293	341	386	302
Offshore	12	11	9	7	10	9	10	10	11	10	6	6	9
Total	330	393	395	148	166	304	317	339	297	303	347	392	311
1986													
Land	432	447	342	61	32	58	64	98	100	105	111	238	174
Offshore	5	7	5	5	7	6	6	4	2	2	2	1	4
Total	437	454	347	66	39	64	70	102	102	107	113	239	178
1987													
Land	283	137	167	58	60	120	158	179	246	273	272	194	179
Offshore	1	1	1	2	1	2	3	3	2	1	3	3	2
Total	284	138	168	60	61	122	161	182	248	274	275	197	181
1988													
Land	188	309	311	101	144	186	174	182	254	191	150	128	193
Offshore	2	3	2	1	3	4	3	3	3	1	2	2	2
Total	190	312	313	102	147	190	177	185	257	192	152	130	195
1989													
Land	122	186	219	103	62	103	102	101	103	137	143	161	129
Offshore	1	1	2	2	1	0	1	2	1	1	0	1	1
Total	123	187	221	105	63	103	103	103	104	138	143	162	130
1990													
Land	154	221	218	78	65	90	117	114	108	130	165	189	137
Offshore	0	0	1	1	1	1	0	0	0	0	0	0	0
Total	154	221	219	79	66	91	117	114	108	130	165	189	137

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	1,344	1,378	1,263	1,073	1,111	1,258	1,375	1,347	1,350	1,287	1,410	1,467	1,305.1
1971	1,443	1,426	1,396	1,276	1,239	1,294	1,457	1,348	1,433	1,338	1,393	1,540	1,381.9
1972	1,595	1,568	1,551	1,438	1,386	1,461	1,571	1,595	1,371	1,643	1,591	1,726	1,541.3
1973	1,788	1,802	1,836	1,797	1,731	1,900	1,813	1,809	1,745	1,812	1,831	1,835	1,808.3
1974	1,845	1,844	1,881	1,810	1,732	1,682	1,676	1,644	1,615	1,597	1,468	1,700	1,707.8
1975	1,587	1,496	1,377	1,219	1,219	1,495	1,495	1,499	1,555	1,461	1,478	1,600	1,456.8
1976	1,300	1,229	1,215	1,128	1,341	1,465	1,271	1,256	1,274	1,373	1,360	1,699	1,325.9
1977	1,423	1,488	1,467	1,350	1,449	1,558	1,283	1,463	1,374	1,371	1,580	1,701	1,458.9
1978	1,280	1,365	1,360	1,147	1,203	1,555	1,184	1,309	1,263	1,391	1,520	1,543	1,343.3
1979	1,454	1,578	1,563	1,517	1,468	1,534	1,525	1,455	1,496	1,552	1,531	1,550	1,518.6
1980	1,482	1,467	1,488	1,360	1,444	1,497	1,477	1,448	1,362	1,250	1,365	1,281	1,410.1
1981	1,391	1,390	1,282	1,329	1,250	1,233	1,272	1,233	1,267	1,119	1,281	1,379	1,285.5
1982	1,222	1,278	1,185	932	1,143	1,309	1,235	1,300	1,256	1,308	1,421	1,302	1,240.9
1983	1,232	1,358	1,393	1,258	1,320	1,504	1,479	1,421	1,435	1,392	1,413	1,402	1,383.9
1984	1,310	1,438	1,453	1,400	1,400	1,400	1,486	1,397	1,288	1,411	1,439	1,446	1,405.7
1985	1,450	1,450	1,450	1,467	1,475	1,436	1,431	1,423	1,450	1,450	1,475	1,513	1,455.8
1986	1,488	1,400	1,300	1,365	1,423	1,541	1,571	1,536	1,515	1,529	1,442	1,454	1,463.7
1987	1,470	1,480	1,467	1,447	1,474	1,566	1,586	1,565	1,538	1,434	1,526	1,609	1,513.5
1988	1,524	1,604	1,624	1,568	1,606	1,607	1,651	1,648	1,598	1,631	1,647	1,612	1,610.0
1989	1,578	1,570	1,596	1,596	1,596	1,596	1,596	1,566	1,575	1,541	1,554	1,536	1,575.0
1990	1,424	1,453	1,514	1,528	1,527	1,485	1,524	1,525	1,525	1,528	1,528	1,509	1,505.8

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	Nuvember	December	Annual Total
1971	327.4	221.4	219.4	200.6	186.2	165.1	232.9	200.9	187.1	191.0	197.6	215.6	2,545.2
1972	211.6	218.4	216.2	285.9	261.4	249.6	225.3	216.2	228.0	234.6	248.2	265.9	2,861.3
1973	281.6	291.2	281.1	271.2	267.4	252.7	277.5	271.4	244.3	259.7	266.6	276.7	3,241.4
1974	282.3	274.5	268.4	271.2	261.1	259.7	260.2	268.3	290.9	291.7	301.7	311.7	3,341.7
1975	282.2	273.9	284.8	308.8	289.9	308.7	278.9	244.3	308.5	288.9	288.3	265.0	3,422.2
1976	278.7	278.2	280.0	278.2	265.4	258.9	227.3	226.0	240.8	266.0	278.6	278.6	3,156.7
1977	289.6	290.4	189.9	117.8	120.6	118.3	117.4	119.0	146.0	268.1	280.4	243.9	2,301.4
1978	303.4	318.2	286.4	219.8	200.9	248.4	273.7	212.1	251.7	265.2	281.7	271.6	3,133.1
1979	259.1	287.6	322.9	356.0	350.0	245.4	327.2	327.2	303.5	300.2	283.4	284.0	3,646.5
1980	286.9	288.9	280.6	214.2	214.0	200.2	200.2	244.2	253.7	250.0	251.0	251.0	2,934.9
1981	251.0	251.0	249.0	220.0	240.0	241.0	240.0	186.0	186.0	186.0	186.0	187.0	2,623.0
1982	192.0	261.4	290.0	281.0	223.1	193.0	177.9	169.4	163.5	178.9	224.8	274.1	2,629.1
1983	267.3	243.1	222.2	197.5	171.0	154.0	156.5	157.0	160.6	200.0	235.0	265.0	2,429.2
1984	265.0	235.0	215.0	207.2	187.0	171.0	179.0	173.7	188.2	214.7	249.2	315.0	2,600.0
1985	315.0	250.0	260.0	225.6	246.2	218.6	231.2	229.9	239.4	280.4	330.0	370.0	3,196.3
1986	415.0	391.5	307.6	267.8	234.9	225.0	225.0	220.0	231.6	254.4	296.2	337.4	3,406.4
1987	349.8	309.4	282.7	238.7	228.4	206.3	207.2	207.2	215.4	258.8	340.2	371.4	3,215.5
1988	379.4	324.1	350.7	310.2	289.0	275.0	293.3	296.0	297.2	336.5	362.7	401.4	3,915.5
1989	434.0	369.1	390.5	341.1	322.5	294.6	302.0	306.1	317.5	346.3	374.3	397.7	4,195.7
1990	392.5	362.8	352.9	352.3	336.0	296.4	332.5	324.6	320.0	375.1	389.7	420.6	4,255.4

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Canada

Selected Petroleum Prices
January 1 *
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1978	0.69	NA	0.41	NA	NA	17.22	10.69
1979	0.73	NA	0.44	NA	NA	18.9	12.4
1980	0.85	NA	0.53	NA	NA	21.42	14.33
1981	1.06	0.93	0.66	0.97	0.59	29.40	18.90
1982	NA	NA	0.88	NA	NA	33.18	NA
1983	1.46	1.35	0.98	1.28	NA	34.44	NA
1984	1.44	1.38	0.99	1.35	NA	34.02	NA
1985	1.55	1.35	1.09	1.35	NA	35.28	NA
1986	1.38	1.30	1.01	1.29	NA	42.53	NA
1987	1.30	1.26	0.76	1.34	NA	0.63	13.19
1988	1.52	1.43	0.94	1.43	NA	28.56	15.46
1989	1.65	1.47	1.01	1.54	0.95	43.55	16.56
1990	1.92	1.55	1.09	1.56	1.28	45.78	23.49

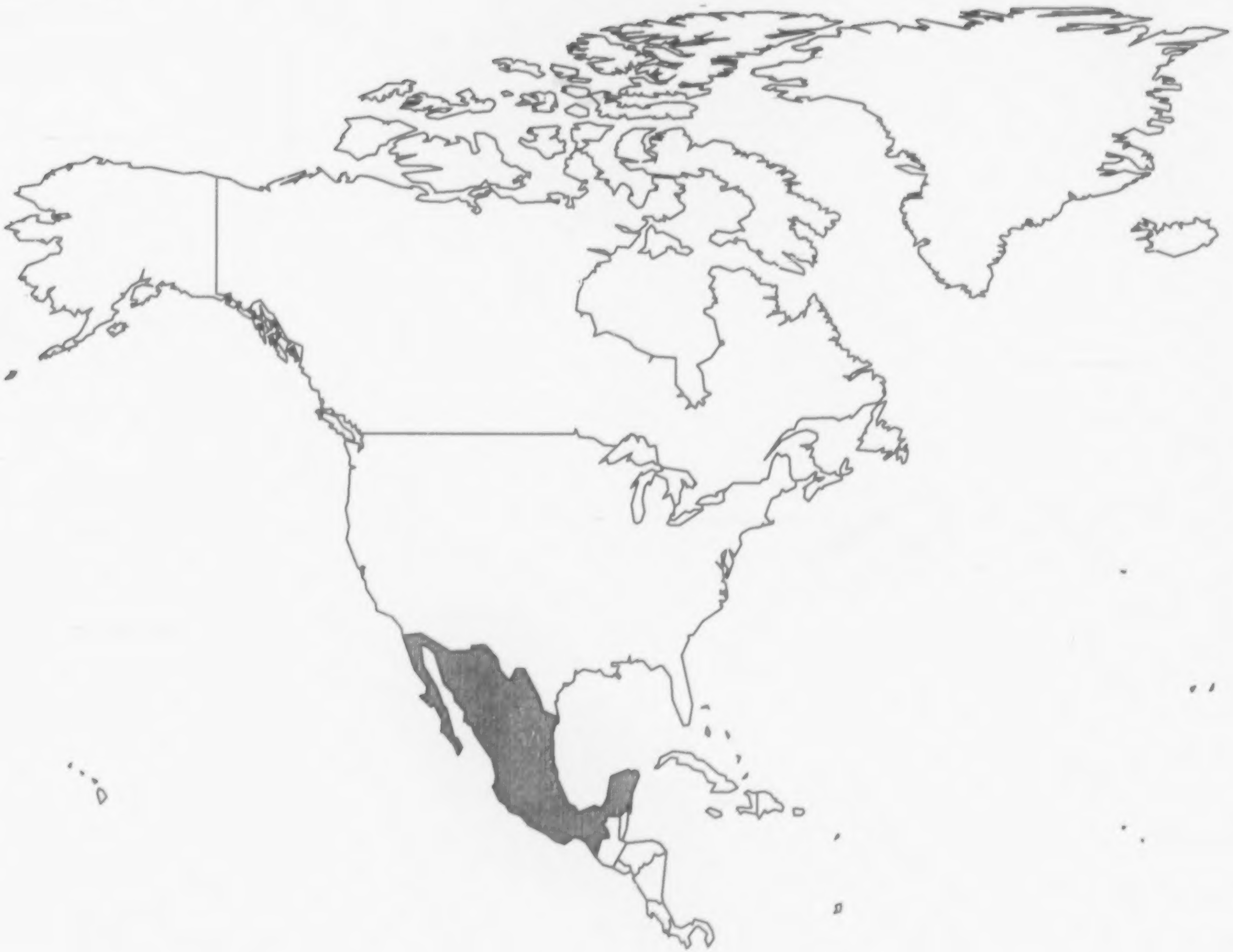
* Data from 1978-1980 are yearly averages.
+ Gasoline is regular unleaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Mexico

Size (Square Miles): 761,605
Location: North America



Mexico

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	51,048	52,770	54,596	56,439	58,283	60,113	61,918	63,689	65,416	67,105	68,769
GNP (Mill US Dollars)	31,200	36,880	40,640	46,880	57,200	74,400	90,960	91,558	84,027	105,351	137,807
GNP per Capita (US Dollars)	620	820	800	820	940	1,120	1,360	1,500	1,490	1,580	1,820
Consumer Price Index (1987=100)	0.4	0.5	0.5	0.5	0.6	0.7	0.8	0.1	1.2	1.4	1.7

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	70,416	72,047	73,666	75,279	76,896	78,524	80,199	81,909	83,656	85,440
GNP (Mill US Dollars)	188,739	241,020	163,830	140,083	165,989	175,473	122,156	132,987	165,308	186,704
GNP per Capita (US Dollars)	2,320	3,000	2,820	2,290	2,130	2,180	1,890	1,770	1,750	1,990
Consumer Price Index (1987=100)	2.2	2.8	4.4	8.9	14.7	23.2	43.1	100.0	214.2	257.0

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Mexico

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1980	2.59	0.87	0.16	0.18	3.80
1981	2.83	0.90	0.16	0.25	4.14
1982	2.96	0.98	0.17	0.24	4.34
1983	2.70	1.04	0.19	0.21	4.14
1984	3.07	0.95	0.19	0.24	4.46
1985	2.98	0.92	0.18	0.27	4.35
1986	3.12	0.89	0.18	0.21	4.39
1987	3.20	0.83	0.15	0.19	4.38
1988	3.27	0.89	0.20	0.20	4.57
1989	3.49	0.93	0.21	0.20	4.83

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1973	1.14	0.48	0.08	0.17	1.87
1974	1.38	0.50	0.10	0.17	2.15
1975	1.65	0.50	0.10	0.16	2.41
1976	1.95	0.49	0.11	0.18	2.74
1977	2.29	0.52	0.13	0.20	3.14
1978	2.80	0.65	0.13	0.17	3.76
1979	3.40	0.78	0.15	0.19	4.51
1980	4.52	0.97	0.14	0.17	5.80
1981	5.39	0.99	0.14	0.25	6.78
1982	6.37	1.07	0.15	0.24	7.82
1983	6.25	1.06	0.18	0.21	7.70
1984	6.46	1.00	0.18	0.24	7.88
1985	6.38	0.92	0.17	0.27	7.74
1986	5.81	0.89	0.17	0.21	7.07
1987	6.04	0.83	0.15	0.19	7.20
1988	6.02	0.89	0.19	0.20	7.30
1989	6.01	0.92	0.23	0.20	7.36

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Mexico

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Seismic Crews, Land	**(Average)**	29.0	29.0	29.0	27.5	31.5	32.3	28.8	22.8	21.3	17.3	18.3
Active Seismic Crews, Marine	**(Average)**	3.3	2.8	1.0	0.8	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Active Seismic Crews, Total	**(Average)**	32.3	31.8	30.0	28.3	31.5	32.3	28.8	23.0	21.3	17.3	18.3
Active Drilling Rigs	**(Number)**	215	218	202	187	196	196	163	143	155	103	90
Well Completions	**(Total)**	434	412	336	NA	268	297	247	103	132	82	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	31,250	44,000	56,990	48,300	48,000	48,600	49,300	54,653	48,610	54,110	56,365
Nat. Gas Reserves, Beginning of Year	**(bcf)**	59,000	64,500	75,350	75,850	75,352	77,000	76,954	76,500	76,530	74,831	73,380
Crude Oil Production	**(000 b/d)**	1,941	2,312	2,746	2,687	2,753	2,734	2,425	2,541	2,605	2,613	2,648
Nat. Gas Production	**(bcf)**	1,191	1,485	1,545	1,477	1,373	1,312	1,252	1,277	1,309	1,307	1,333
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	1,394	1,394	1,470	1,289	1,269	1,269	1,269	1,349	1,354	1,354	1,514
Ethylene Capacity	(000 Tons/Yr)	NA	435	935	935	932	932	932	932	932	932	1,418
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	329	350	361	331	330	341	359	362	361	NA	NA
Middle Distillate Demand	(000 b/d)	245	264	227	200	255	263	249	222	199	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	280	291	273	320	323	334	428	469	463	NA	NA
Total Product Demand	(000 b/d)	1,222	1,267	1,360	1,301	1,483	1,529	1,470	1,520	1,550	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	828	1,098	1,596	1,537	1,525	1,438	1,289	1,345	1,307	NA	NA
Pet Product Exports	(000 b/d)	46	65	43	84	112	135	116	95	121	NA	NA
Total Pet Exports	(000 b/d)	874	1,163	1,639	1,621	1,637	1,573	1,405	1,440	1,428	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	15	8	112	17	36	50	60	70	81	NA	NA
Total Pet Imports	(000 b/d)	15	8	112	17	36	50	60	70	81	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(828)	(1,098)	(1,596)	(1,537)	(1,525)	(1,438)	(1,289)	(1,345)	(1,307)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(31)	(57)	69	(67)	(76)	(85)	(56)	(25)	(40)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(859)	(1,155)	(1,527)	(1,604)	(1,601)	(1,523)	(1,345)	(1,370)	(1,347)	NA	NA
Natural Gas Exports	(bcf)	102	105	95	76	52	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	0	3	0	2	2	2	2	2	2	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal, Society of Exploration Geophysicists

Mexico

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	194	194	194	197	197	197	197	200	200	201	201	201	198
Offshore	22	22	22	20	20	20	20	20	20	19	19	19	20
Total	216	216	216	217	217	217	217	220	220	220	220	220	218
1982													
Land	201	196	191	191	191	171	171	171	171	171	171	165	180
Offshore	19	19	20	20	20	23	23	23	23	23	23	22	22
Total	220	215	211	211	211	194	194	194	194	194	194	187	202
1983													
Land	165	165	165	165	162	162	162	153	157	157	152	152	160
Offshore	22	22	22	24	27	27	26	32	28	28	33	33	27
Total	187	187	187	189	189	189	188	185	185	185	185	185	187
1984													
Land	165	166	165	165	165	165	163	163	168	168	167	168	166
Offshore	28	28	29	29	29	29	29	29	32	32	32	32	30
Total	193	194	194	194	194	194	192	192	200	200	199	200	196
1985													
Land	168	162	162	166	166	158	165	162	160	160	166	163	163
Offshore	32	36	36	32	32	35	32	32	32	32	32	32	33
Total	200	198	198	198	198	193	197	194	192	192	198	195	196
1986													
Land	161	150	156	158	149	147	117	114	114	116	101	105	132
Offshore	32	30	29	30	32	30	31	31	31	31	31	30	31
Total	193	180	185	188	181	177	148	145	145	147	132	135	163
1987													
Land	103	107	105	105	105	109	108	114	121	121	122	123	112
Offshore	31	30	30	30	30	32	30	31	32	32	32	33	31
Total	134	137	135	135	135	141	138	145	153	153	154	156	143
1988													
Land	123	123	123	122	122	122	121	121	119	118	117	117	121
Offshore	33	33	34	34	34	35	35	35	35	35	35	35	34
Total	156	156	157	156	156	157	156	156	154	153	152	152	155
1989													
Land	111	114	106	61	57	57	57	55	56	55	54	55	70
Offshore	35	35	35	33	33	33	33	33	33	33	33	33	34
Total	146	149	141	94	90	90	90	88	89	88	87	88	104
1990													
Land	54	54	54	54	54	54	54	54	54	54	76	75	58
Offshore	33	33	33	33	33	33	32	32	33	33	33	33	33
Total	87	87	87	87	87	87	86	86	87	87	109	108	87

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	410	410	410	410	415	415	420	430	430	430	430	430	420.0
1971	435	435	430	430	430	454	435	435	430	430	430	430	433.7
1972	435	435	435	440	440	449	450	448	448	448	450	450	444.0
1973	460	465	465	470	475	475	470	470	470	480	480	480	471.7
1974	485	485	520	530	530	575	600	580	580	600	600	600	557.1
1975	676	688	690	690	710	750	800	703	720	730	750	760	722.3
1976	750	750	750	760	780	825	830	830	830	850	850	850	804.6
1977	900	950	950	970	980	1,000	998	1,009	1,017	1,034	1,060	1,085	996.1
1978	1,107	1,120	1,100	1,139	1,151	1,167	1,205	1,239	1,267	1,297	1,325	1,366	1,206.9
1979	1,396	1,396	1,400	1,396	1,401	1,412	1,437	1,453	1,472	1,510	1,616	1,653	1,461.8
1980	1,721	1,723	1,829	1,887	1,910	1,906	2,014	1,999	2,124	2,182	1,901	2,090	1,940.5
1981	2,219	2,120	2,366	2,538	2,545	2,558	2,097	2,261	2,478	2,488	2,090	1,981	2,311.8
1982	2,313	2,551	2,543	2,778	2,712	2,788	2,786	2,791	2,828	2,898	2,937	3,025	2,745.8
1983	2,977	2,297	2,414	2,668	2,794	2,775	2,687	2,774	2,736	2,660	2,729	2,730	2,686.8
1984	2,688	2,757	2,711	2,819	2,870	2,877	2,845	2,610	2,707	2,564	2,745	2,832	2,752.8
1985	2,634	2,687	2,810	2,823	2,792	2,555	2,620	2,796	2,815	2,749	2,794	2,733	2,734.0
1986	2,510	2,123	2,220	2,358	2,527	2,547	2,536	2,567	2,371	2,324	2,452	2,569	2,425.3
1987	2,511	2,541	2,522	2,529	2,555	2,530	2,522	2,544	2,556	2,553	2,557	2,568	2,540.7
1988	2,661	2,632	2,617	2,592	2,624	2,627	2,628	2,624	2,385	2,631	2,612	2,630	2,605.3
1989	2,624	2,597	2,636	2,620	2,620	2,619	2,615	2,616	2,621	2,609	2,609	2,569	2,612.9
1990	2,617	2,614	2,605	2,605	2,579	2,559	2,579	2,640	2,720	2,738	2,759	2,758	2,647.8

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	50.0	49.1	55.8	60.7	55.7	54.3	55.8	53.7	54.3	54.2	53.2	53.6	650.4
1972	53.3	53.3	53.6	72.8	74.9	55.8	54.0	50.0	53.9	53.4	55.8	55.8	686.6
1973	60.2	58.7	55.8	54.0	54.4	60.1	60.2	60.1	54.0	52.8	55.8	60.1	686.2
1974	55.8	55.7	56.4	56.3	55.8	53.9	55.0	59.0	59.0	58.9	58.6	62.0	686.4
1975	64.7	63.4	62.0	62.8	62.8	65.6	65.5	60.3	64.4	64.4	67.8	67.8	771.5
1976	64.8	66.3	66.4	66.4	65.9	65.9	65.8	64.7	64.7	65.5	67.2	67.2	790.8
1977	62.1	66.3	61.2	59.6	60.0	60.9	64.5	64.5	52.2	63.8	65.1	65.1	745.3
1978	66.8	66.8	66.0	79.2	76.4	75.7	78.6	55.5	89.3	71.7	75.4	86.1	887.5
1979	86.4	86.4	86.1	85.9	86.9	80.8	64.0	64.0	62.5	82.3	94.6	95.0	974.9
1980	95.0	83.9	83.4	87.0	86.5	98.4	111.5	111.3	111.8	111.0	102.3	108.4	1,190.5
1981	115.4	107.0	107.0	120.0	129.0	130.0	131.0	129.0	129.0	129.0	129.0	130.0	1,485.4
1982	123.0	119.0	130.5	128.5	132.5	130.5	132.6	128.9	127.3	131.5	126.7	133.8	1,544.8
1983	133.7	112.7	124.8	122.6	128.1	122.5	124.6	126.2	121.3	122.2	118.4	120.3	1,477.4
1984	119.4	112.8	123.1	117.6	119.8	111.8	115.4	112.3	107.2	113.4	108.8	111.7	1,373.3
1985	112.3	100.9	110.5	108.1	111.0	104.7	108.5	110.9	107.9	112.7	111.0	113.7	1,312.2
1986	104.8	95.1	108.3	105.5	107.8	103.2	105.7	106.1	102.1	103.4	101.7	108.7	1,252.4
1987	106.8	97.0	106.9	104.5	109.2	104.3	108.7	108.2	103.1	109.8	108.2	110.7	1,277.4
1988	110.9	101.5	122.7	122.3	108.5	105.2	108.7	108.1	101.0	107.9	104.0	107.7	1,308.5
1989	108.3	96.6	108.4	106.6	110.5	108.6	111.6	115.0	108.1	112.3	109.5	111.9	1,307.4
1990	113.1	102.6	113.6	110.2	112.3	107.5	109.8	111.8	109.3	115.0	112.6	114.9	1,332.7

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Mexico

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	1.13	0.16	NA	0.09	0.21	NA	2.45
1982	1.45	0.36	0.09	0.22	0.30	NA	3.19
1983	0.76	0.25	0.03	0.17	0.10	NA	1.13
1984	0.94	0.44	0.14	0.29	0.14	NA	4.96
1985	1.36	0.51	0.16	0.42	0.16	NA	7.05
1986	1.02	0.61	0.21	0.46	0.18	11.21	7.57
1987	0.71	0.61	0.18	0.30	0.23	10.28	15.51
1988	0.99	0.77	0.23	0.52	0.31	NA	7.34
1989	0.95	0.74	0.74	0.50	0.30	31.13	9.04
1990	0.88	0.67	0.27	0.63	0.28	28.10	9.74

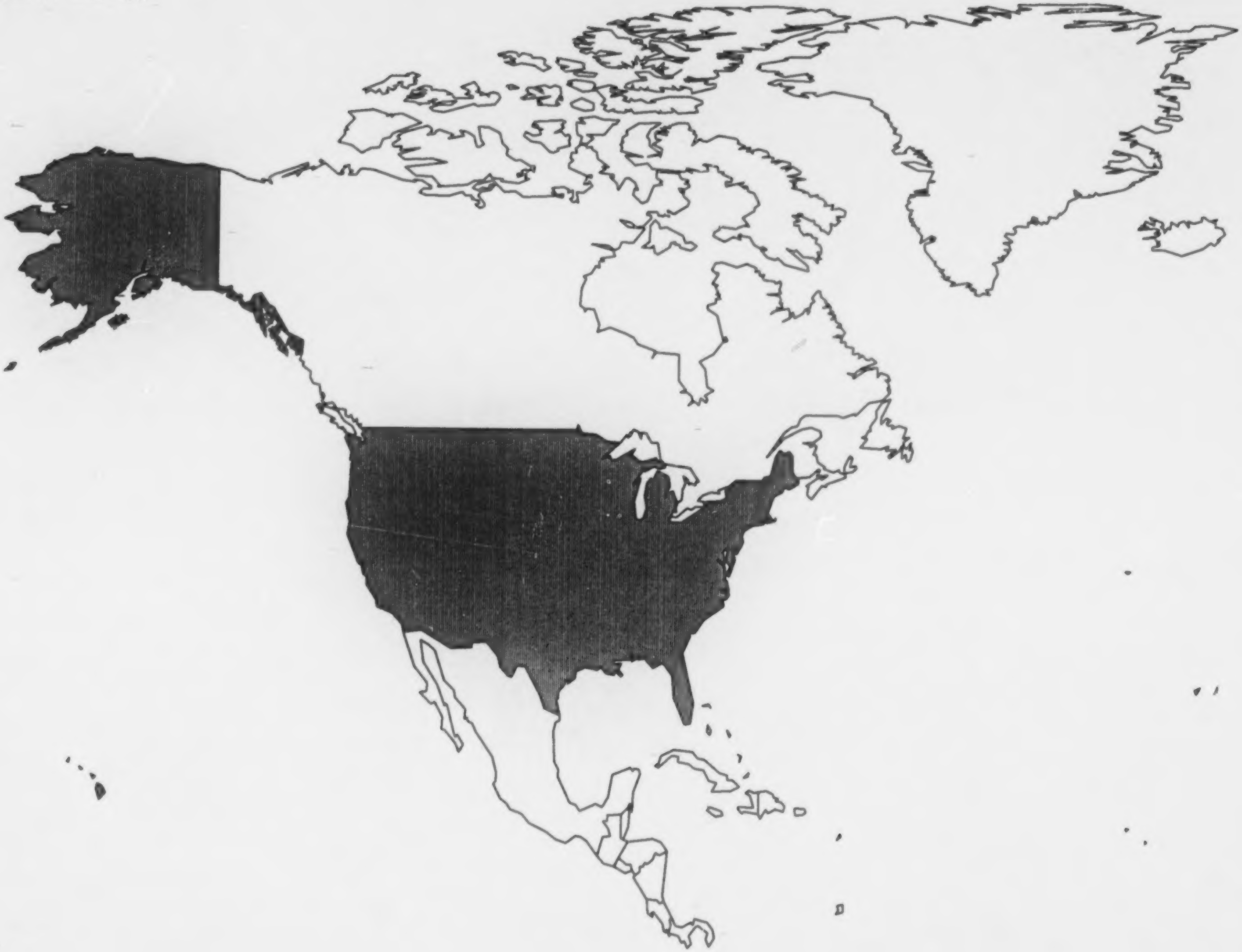
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

United States

Size (Square Miles): 3,679,245
Location: North America



United States

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	203,000	205,000	208,000	210,000	212,000	214,000	216,000	218,000	220,000	223,000	225,000
GNP (Mill US Dollars)	963,900	1,015,500	1,102,700	1,212,800	1,359,300	1,472,800	1,598,400	1,782,800	1,990,500	2,249,700	2,508,200
GNP per Capita (US Dollars)	4,760	4,950	5,320	5,780	6,410	6,890	7,400	8,180	9,040	10,100	11,150
Consumer Price Index (1987=100)	32.2	34.2	35.6	36.8	39.1	43.4	47.3	50.1	53.3	57.4	63.8

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	228,000	230,000	233,000	235,000	237,000	239,000	242,000	244,000	246,000	248,000
GNP (Mill US Dollars)	2,732,000	3,052,700	3,165,900	3,405,700	3,772,200	4,014,900	4,231,700	4,524,200	4,880,600	5,176,400
GNP per Capita (US Dollars)	12,000	13,270	13,610	14,510	15,890	16,760	17,530	18,570	19,820	21,000
Consumer Price Index (1987=100)	72.5	79.9	84.9	87.6	91.4	94.6	96.4	100.0	104.0	109.0

Data from Oil & Gas Journal Energy Database.
Source: World Bank

United States

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	34.20	20.39	15.42	3.12	2.74	75.88
1981	31.93	19.93	15.91	3.10	3.01	73.88
1982	30.23	18.51	15.32	3.57	3.13	70.76
1983	30.05	17.36	15.89	3.90	3.20	70.41
1984	31.05	18.51	17.07	3.76	3.55	73.94
1985	30.92	17.83	17.48	3.36	4.15	73.75
1986	32.20	16.71	17.26	3.39	4.47	74.02
1987	32.87	17.74	18.01	3.01	4.91	76.59
1988	34.23	18.55	18.87	2.64	5.68	79.98
1989	34.21	19.36	19.00	2.86	5.70	81.14

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	22.06	22.19	13.93	2.86	0.91	61.95
1974	21.05	21.21	14.08	3.18	1.27	60.79
1975	20.10	19.64	14.99	3.16	1.90	59.79
1976	19.59	19.48	15.65	2.98	2.11	59.81
1977	19.78	19.57	15.76	2.33	2.70	60.14
1978	20.68	19.49	14.91	2.94	3.02	61.03
1979	20.39	20.08	17.54	2.93	2.78	63.71
1980	20.50	19.91	18.60	2.90	2.74	64.65
1981	20.46	19.70	18.38	2.76	3.01	64.30
1982	20.50	18.26	18.64	3.27	3.13	63.79
1983	20.57	16.53	17.25	3.53	3.20	61.08
1984	21.12	17.93	19.72	3.35	3.55	65.67
1985	21.23	16.91	19.33	2.94	4.15	64.55
1986	20.53	16.47	19.51	3.02	4.47	63.99
1987	19.90	17.05	20.14	2.59	4.91	64.58
1988	19.54	17.52	20.74	2.31	5.66	65.77
1989	18.28	17.80	21.33	2.75	5.69	65.83

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

United States

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Seismic Crews, Land	**(Average)**	501.8	643.8	511.8	429.8	441.3	318.5	161.0	153.8	147.0	109.0	101.5
Active Seismic Crews, Marine	**(Average)**	38.0	44.5	57.3	49.0	47.0	45.0	22.0	24.0	29.0	21.8	23.0
Active Seismic Crews, Total	**(Average)**	539.8	688.3	569.0	478.8	488.3	363.5	183.0	177.8	176.0	130.8	124.5
Active Drilling Rigs	**(Number)**	2,910	3,969	3,117	2,229	2,429	1,976	970	936	936	870	1,008
Well Completions	**(Total)**	71,562	91,600	83,092	75,033	85,196	71,108	39,010	35,538	32,479	27,824	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	27,051	29,805	29,426	27,858	27,735	28,446	28,416	26,889	27,256	26,500	25,860
Nat. Gas Reserves, Beginning of Year	**(bcf)**	194,917	199,021	201,730	201,512	200,247	197,463	193,369	191,586	187,211	187,200	165,000
Crude Oil Production	**(000 b/d)**	8,587	8,581	8,657	8,674	8,879	8,972	8,685	8,295	8,078	7,633	7,309
Nat. Gas Production	**(bcf)**	20,268	19,596	18,905	17,072	18,093	17,611	16,906	17,004	17,458	17,632	18,088
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	17,720	18,465	17,669	16,157	15,863	15,136	15,258	15,288	15,328	15,419	15,559
Crude Refining Throughput	**(000 b/d)**	13,520	12,470	11,775	11,685	12,045	12,005	12,715	12,855	13,445	13,550	13,595
Crude Excess Refining Capacity	**(000 b/d)**	4,229	6,024	5,644	5,228	3,813	3,077	2,483	2,405	1,853	1,882	1,996
Crude Refinery Utilization Rate	**(Percent)**	76	67	68	69	76	80	84	84	88	88	87
Ethylene Capacity	**(000 Tons/Yr)**	NA	18,064	17,836	17,543	17,073	17,298	16,778	16,820	16,985	17,786	19,122
Gas Processing Capacity	**(MMcfd)**	NA	71,045	70,484	68,943	67,834	67,729	68,811	67,831	66,747	66,556	68,200
Gas Processing Throughput	**(MMcfd)**	NA	43,276	41,157	37,577	40,474	40,954	38,314	41,297	41,847	42,289	43,999
Gas Liquids Production	**(000 gpd)**	NA	65,042	61,120	55,171	60,094	64,446	63,685	68,240	68,172	64,289	67,198
Petroleum Product Demand												
Motor Gasoline Demand +	**(000 b/d)**	6,613	6,588	6,564	6,648	6,717	6,858	7,034	7,206	7,336	7,328	7,235
Middle Distillate Demand	**(000 b/d)**	2,866	2,829	2,671	2,690	2,845	2,868	2,914	2,976	3,122	3,157	3,021
Heavy Fuel Oil Demand	**(000 b/d)**	2,508	2,088	1,716	1,421	1,369	1,202	1,418	1,264	1,378	1,370	1,229
Total Product Demand	**(000 b/d)**	17,056	16,058	15,296	15,231	15,726	15,726	16,281	16,665	17,283	17,325	16,988
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	287	228	236	164	181	204	154	151	155	142	109
Pet Product Exports	**(000 b/d)**	258	367	579	575	542	577	631	613	661	717	748
Total Pet Exports	**(000 b/d)**	545	595	815	739	723	781	785	764	816	859	857
Crude Oil Imports (including SPR)	**(000 b/d)**	5,263	4,397	3,488	3,329	3,426	3,201	4,178	4,674	5,107	5,849	5,894
Pet Product Imports	**(000 b/d)**	1,646	1,464	1,625	1,722	2,011	1,866	2,046	2,004	2,295	2,217	2,123
Total Pet Imports	**(000 b/d)**	6,909	5,861	5,113	5,051	5,437	5,067	6,224	6,678	7,402	8,060	8,017
Net Crude Imports (Exports)	**(000 b/d)**	4,976	4,169	3,252	3,165	3,245	2,997	4,024	4,523	4,952	5,701	5,785
Net Pet Product Imports (Exports)	**(000 b/d)**	1,388	1,097	1,046	1,147	1,469	1,289	1,415	1,391	1,634	1,500	1,375
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	6,364	5,266	4,298	4,312	4,714	4,286	5,439	5,914	6,586	7,202	7,161
Total Pet Imports, % of Demand	**(Percent)**	20.61	18.54	17.01	16.85	17.59	16.40	19.48	20.42	21.89	23.76	24.16
Net Tot Pet Impts (Expts), % of Demand	**(Percent)**	18.99	16.66	14.30	14.38	15.26	13.87	17.02	18.09	19.48	21.23	21.58
Natural Gas Exports	**(bcf)**	49	59	52	55	55	55	61	54	74	107	86
Natural Gas Imports	**(bcf)**	985	904	933	920	843	950	749	992	1,294	1,382	1,532

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal, Society of Exploration Geophysicists

United States

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	3,141	3,268	3,344	3,472	3,567	3,680	3,735	3,868	3,976	4,088	4,167	4,237	3,712
Offshore	245	234	252	256	249	246	262	264	266	264	270	283	258
Total	3,386	3,502	3,595	3,728	3,817	3,926	3,998	4,131	4,242	4,352	4,436	4,521	3,969
1982													
Land	4,156	3,891	3,553	3,208	2,926	2,660	2,504	2,385	2,255	2,172	2,285	2,482	2,873
Offshore	280	269	262	251	251	248	242	235	228	229	214	214	244
Total	4,436	4,160	3,816	3,460	3,178	2,908	2,746	2,620	2,483	2,402	2,500	2,696	3,117
1983													
Land	2,404	1,976	1,793	1,633	1,717	1,777	1,861	1,975	2,077	2,206	2,370	2,571	2,030
Offshore	218	216	210	213	209	201	178	181	175	176	203	209	199
Total	2,622	2,192	2,003	1,846	1,926	1,979	2,039	2,156	2,252	2,382	2,572	2,780	2,229
1984													
Land	2,452	2,221	2,048	1,917	2,075	2,158	2,180	2,201	2,206	2,269	2,397	2,471	2,216
Offshore	215	202	197	203	202	205	206	216	214	223	232	242	213
Total	2,666	2,423	2,245	2,120	2,277	2,363	2,386	2,417	2,420	2,492	2,629	2,713	2,429
1985													
Land	2,210	1,955	1,733	1,666	1,666	1,655	1,714	1,735	1,734	1,684	1,726	1,760	1,770
Offshore	242	233	222	211	199	203	195	196	196	195	186	190	206
Total	2,452	2,188	1,955	1,877	1,865	1,858	1,909	1,931	1,930	1,879	1,912	1,950	1,976
1986													
Land	1,636	1,281	1,006	794	687	631	622	665	681	740	820	874	870
Offshore	174	163	133	112	94	74	64	65	74	79	79	89	100
Total	1,810	1,444	1,139	906	781	705	686	730	755	819	899	963	970
1987													
Land	813	743	696	681	687	703	805	894	988	1,008	1,033	1,034	840
Offshore	87	75	76	73	76	85	96	109	113	116	119	128	96
Total	900	818	772	754	763	788	901	1,003	1,101	1,124	1,152	1,162	936
1988													
Land	947	852	833	800	768	772	787	808	805	800	790	797	813
Offshore	129	124	118	117	123	125	125	122	122	123	128	127	124
Total	1,076	976	951	917	891	897	912	930	927	923	918	924	937
1989													
Land	731	667	660	679	662	693	719	774	849	879	923	949	765
Offshore	110	95	93	92	92	102	113	112	106	105	118	116	105
Total	841	762	753	771	754	795	832	886	955	984	1,041	1,065	870
1990													
Land	885	806	798	823	842	885	902	880	935	974	1,031	1,036	900
Offshore	113	105	107	112	119	113	108	107	107	99	106	100	108
Total	998	911	905	935	961	998	1,010	987	1,042	1,073	1,137	1,136	1,008

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

United States

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	9,538	9,588	9,599	9,679	9,600	9,370	9,329	9,603	9,783	9,836	10,062	9,920	9,658.9
1971	10,010	9,890	9,901	9,806	9,693	9,712	9,638	9,545	9,508	9,398	9,270	9,270	9,636.8
1972	9,306	9,529	9,536	9,484	9,518	9,556	9,656	9,628	9,564	9,500	9,498	9,485	9,521.7
1973	9,465	9,300	9,286	9,202	9,216	9,206	9,199	9,173	9,149	9,123	9,110	9,092	9,210.1
1974	9,061	9,047	9,023	8,965	8,939	8,940	8,955	8,926	8,734	8,777	8,647	8,645	8,888.3
1975	8,637	8,561	8,457	8,371	8,307	8,306	8,300	8,274	8,263	8,256	8,239	8,212	8,348.6
1976	8,178	8,143	8,112	8,149	8,120	8,108	8,095	8,090	8,056	8,035	8,012	8,041	8,094.9
1977	8,069	8,039	8,004	7,974	7,960	8,041	8,122	8,387	8,560	8,573	8,536	8,515	8,231.7
1978	8,488	8,413	8,573	8,791	8,760	8,761	8,724	8,715	8,667	8,720	8,727	8,703	8,670.2
1979	8,686	8,596	8,735	8,716	8,670	8,655	8,702	8,685	8,656	8,647	8,671	8,718	8,678.1
1980	8,648	8,696	8,712	8,688	8,640	8,535	8,555	8,535	8,510	8,510	8,437	8,575	8,586.8
1981	8,533	8,598	8,601	8,543	8,564	8,616	8,646	8,572	8,586	8,558	8,575	8,575	8,580.6
1982	8,585	8,727	8,650	8,608	8,712	8,632	8,656	8,701	8,733	8,655	8,630	8,591	8,656.7
1983	8,711	8,660	8,677	8,686	8,677	8,674	8,670	8,671	8,665	8,660	8,670	8,668	8,674.1
1984	8,868	8,874	8,672	8,856	8,955	8,852	8,885	8,809	8,993	8,906	8,979	8,897	8,878.8
1985	8,740	9,025	9,095	9,043	9,132	9,022	8,949	8,803	8,954	8,970	8,902	9,030	8,972.1
1986	8,942	8,940	8,939	8,815	8,805	8,792	8,737	8,708	8,445	8,468	8,374	8,249	8,684.5
1987	8,423	8,260	8,353	8,367	8,343	8,249	8,205	8,190	8,190	8,293	8,330	8,340	8,295.3
1988	8,216	8,336	8,338	8,236	8,199	8,138	7,998	8,033	7,866	7,954	7,981	7,642	8,078.1
1989	7,913	7,830	7,610	7,747	7,807	7,660	7,474	7,589	7,563	7,462	7,564	7,372	7,632.6
1990	7,522	7,465	7,394	7,331	7,259	7,076	7,144	7,215	7,041	7,454	7,308	7,375	7,298.7

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	2,112.3	2,110.6	1,966.5	1,850.1	1,841.2	1,762.4	1,651.2	1,811.8	1,770.9	1,780.9	1,891.2	2,110.2	22,659.3
1972	1,977.5	1,980.4	1,977.5	1,906.2	1,902.8	1,900.2	1,861.8	1,851.8	1,769.7	1,883.7	1,994.6	2,116.7	23,122.9
1973	1,992.1	1,993.9	1,901.9	1,911.4	1,910.4	1,889.3	1,871.2	1,870.3	1,811.9	1,900.1	1,899.8	1,901.7	22,854.0
1974	2,011.2	2,111.2	1,775.2	1,770.2	1,711.4	1,710.2	1,822.7	1,824.7	1,826.7	1,911.2	1,971.2	2,011.2	22,457.1
1975	1,831.3	1,813.1	1,797.1	1,626.8	1,793.6	1,669.2	1,771.2	1,686.3	1,686.0	1,711.2	1,791.4	1,651.8	20,829.0
1976	1,791.2	1,712.5	1,711.7	1,714.0	1,658.9	1,602.7	1,621.9	1,636.8	1,632.8	1,631.1	1,639.6	1,639.6	19,992.8
1977	1,632.4	1,632.4	1,741.8	1,663.4	1,660.0	1,611.2	1,662.6	1,660.4	1,692.8	1,671.3	1,811.4	1,897.8	20,337.5
1978	1,911.4	1,991.6	1,616.7	1,640.0	1,634.8	1,630.4	1,613.8	1,611.4	1,700.0	1,670.7	1,682.4	1,711.9	20,415.1
1979	1,765.4	1,811.2	1,800.3	1,801.4	1,529.3	1,491.6	1,684.0	1,684.0	1,592.5	1,600.1	1,618.7	1,620.9	19,999.4
1980	1,651.9	1,739.9	1,700.0	1,779.7	1,800.6	1,800.1	1,800.0	1,593.3	1,621.1	1,621.0	1,580.0	1,580.0	20,267.6
1981	1,642.8	1,642.0	1,640.0	1,640.0	1,640.0	1,641.0	1,640.0	1,640.0	1,640.0	1,600.0	1,600.0	1,630.0	19,595.8
1982	1,596.0	1,580.0	1,682.5	1,660.0	1,670.0	1,590.0	1,550.0	1,560.0	1,459.0	1,511.0	1,527.0	1,519.0	18,904.5
1983	1,588.0	1,402.0	1,506.0	1,425.0	1,409.0	1,323.0	1,335.0	1,334.0	1,337.0	1,440.0	1,427.0	1,546.0	17,072.0
1984	1,555.0	1,522.0	1,573.0	1,489.0	1,454.0	1,462.0	1,508.0	1,503.0	1,453.0	1,508.0	1,470.0	1,596.0	18,093.0
1985	1,632.0	1,471.0	1,545.0	1,481.0	1,502.0	1,398.0	1,413.0	1,388.0	1,372.0	1,430.0	1,434.0	1,545.0	17,611.0
1986	1,524.0	1,422.0	1,515.0	1,375.0	1,394.0	1,340.0	1,359.0	1,362.0	1,306.0	1,362.0	1,368.0	1,579.0	16,906.0
1987	1,601.0	1,343.0	1,478.0	1,395.0	1,376.0	1,320.0	1,368.0	1,374.0	1,335.0	1,394.0	1,408.0	1,612.0	17,004.0
1988	1,620.0	1,480.0	1,484.0	1,400.0	1,410.0	1,353.0	1,416.0	1,428.0	1,316.0	1,440.0	1,492.0	1,619.0	17,458.0
1989	1,607.0	1,460.0	1,518.0	1,414.0	1,429.0	1,375.0	1,416.0	1,428.0	1,363.0	1,481.0	1,511.0	1,630.0	17,632.0
1990	1,644.0	1,467.0	1,541.0	1,478.0	1,501.0	1,443.0	1,477.0	1,469.0	1,406.0	1,477.0	1,555.0	1,630.0	18,088.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

United States

Selected Petroleum Prices
January 1 *
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1978	0.66	0.54	0.48	NA	NA	16.38	11.79
1979	0.87	0.73	0.66	NA	NA	23.10	15.98
1980	1.23	1.01	0.94	NA	NA	34.44	21.05
1981	1.24	1.21	1.14	1.07	0.71	44.52	31.35
1982	1.22	1.05	1.22	1.12	0.78	43.68	27.26
1983	1.15	0.89	1.15	1.04	0.73	36.96	27.05
1984	1.13	0.96	1.12	1.07	0.77	36.12	30.91
1985	1.15	0.51	0.16	0.42	0.16	34.86	29.85
1986	1.19	1.16	1.06	1.05	0.78	33.64	22.22
1987	0.82	0.87	0.73	0.83	0.73	19.32	12.18
1988	0.91	0.96	0.62	0.84	0.73	26.04	15.92
1989	0.92	0.89	0.63	0.76	0.75	26.46	15.25
1990	1.04	0.99	0.81	1.00	0.95	32.47	21.84

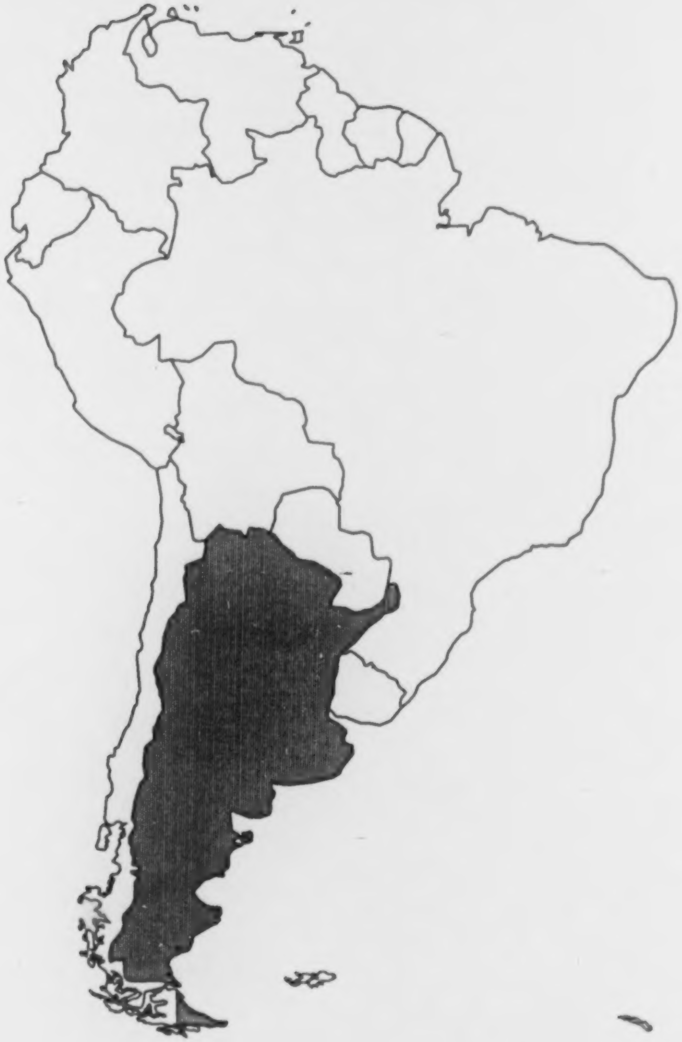
* Data from 1978-1980 are yearly averages.
+ Gasoline is regular unleaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Argentina

Size (Square Miles): 1,073,400
Location: South America



Argentina

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	23,597	23,963	24,360	24,770	25,190	25,618	26,052	26,489	26,928	27,366	27,803
GNP (Mill US Dollars)	22,857	22,955	27,434	40,800	70,200	96,400	38,798	53,500	50,735	64,950	106,818
GNP per Capita (US Dollars)	900	920	1,000	1,040	1,240	1,630	1,810	1,680	1,610	1,570	1,800
Consumer Price Index (1987=100)	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	28,237	28,667	29,092	29,512	29,925	30,331	30,730	31,121	31,506	31,883
GNP (Mill US Dollars)	152,174	120,682	52,124	59,619	71,912	60,465	74,380	76,393	88,753	54,076
GNP per Capita (US Dollars)	1,970	1,960	1,880	1,970	2,150	2,140	2,380	2,400	2,570	2,160
Consumer Price Index (1987=100)	0.0169	0.0345	0.0913	0.405	2.9	22.7	43.2	100.0	443.0	14,085.1

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Argentina

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	1.03	0.33	0.16	0.03	1.58
1981	0.99	0.34	0.15	0.03	1.54
1982	0.96	0.42	0.18	0.02	1.62
1983	0.97	0.42	0.21	0.04	1.67
1984	0.96	0.53	0.22	0.05	1.80
1985	0.85	0.54	0.23	0.06	1.68
1986	0.94	0.58	0.23	0.06	1.86
1987	0.99	0.56	0.24	0.07	1.91
1988	0.97	0.70	0.17	0.07	1.95
1989	1.02	0.73	0.17	0.06	2.01

Production

	Petroleum	Natural Gas	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	0.94	0.22	0.03	0.00	1.20
1974	0.93	0.24	0.05	0.01	1.24
1975	0.88	0.25	0.05	0.03	1.23
1976	0.89	0.25	0.05	0.03	1.24
1977	0.96	0.26	0.06	0.02	1.31
1978	1.01	0.26	0.08	0.03	1.39
1979	1.05	0.24	0.11	0.03	1.45
1980	1.10	0.26	0.16	0.03	1.55
1981	1.10	0.32	0.15	0.03	1.62
1982	1.09	0.37	0.18	0.02	1.68
1983	1.08	0.41	0.19	0.04	1.74
1984	1.07	0.46	0.21	0.05	1.80
1985	1.04	0.47	0.21	0.06	1.79
1986	0.99	0.51	0.22	0.06	1.79
1987	0.99	0.49	0.23	0.07	1.79
1988	1.03	0.62	0.16	0.07	1.90
1989	1.04	0.65	0.16	0.06	1.92

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Argentina

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	76	70	67	73	82	81	47	61	63	55	64
Well Completions	(Total)	953	904	822	130	126	1,024	820	416	781	801	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	2,400	2,457	2,650	2,590	2,429	2,266	2,300	2,270	2,270	2,268	2,280
Nat. Gas Reserves, Beginning of Year	(bcf)	15,200	22,000	23,400	25,200	24,420	24,628	23,588	23,000	23,600	26,700	27,299
Crude Oil Production	(000 b/d)	487	496	484	479	467	448	430	422	450	460	479
Nat. Gas Production	(bcf)	299	348	383	554	653	673	663	659	740	826	805
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	676	679	677	676	678	678	667	670	690	690	689
Ethylene Capacity	(000 Tons/Yr)	NA	173	253	253	253	253	253	254	255	262	261
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	131	135	122	122	119	96	108	108	100	NA	NA
Middle Distillate Demand	(000 b/d)	150	149	144	152	153	134	148	154	148	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	118	106	97	91	85	48	97	99	88	NA	NA
Total Product Demand	(000 b/d)	499	483	468	477	463	415	448	479	475	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	1	0	0	0	9	3	2	8	NA	NA
Pet Product Exports	(000 b/d)	31	58	48	41	28	63	20	15	31	NA	NA
Total Pet Exports	(000 b/d)	31	59	48	41	28	72	23	17	39	NA	NA
Crude Oil Imports	(000 b/d)	43	25	14	38	0	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	17	15	2	2	3	1	1	37	31	NA	NA
Total Pet Imports	(000 b/d)	60	40	16	40	3	1	1	37	31	NA	NA
Net Crude Imports (Exports)	(000 b/d)	43	24	14	38	0	(9)	(3)	(2)	(8)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(14)	(43)	(46)	(39)	(25)	(62)	(19)	22	0	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	29	(19)	(32)	(1)	(25)	(71)	(22)	20	(8)	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	80	77	81	79	78	78	78	78	79	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal, Society of Exploration Geophysicists

Argentina

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	71	75	76	76	76	65	68	69	59	51	56	58	67
Offshore	2	2	2	2	2	3	3	4	4	4	4	4	3
Total	73	77	78	78	78	68	71	73	63	55	60	62	70
1982													
Land	62	65	70	68	67	61	62	66	68	58	66	69	65
Offshore	4	3	3	2	0	1	1	0	1	1	1	1	2
Total	66	68	73	70	67	62	63	66	69	59	67	70	67
1983													
Land	61	62	62	70	78	75	80	83	84	77	68	73	73
Offshore	1	1	1	1	0	0	0	0	0	0	0	0	0
Total	62	63	63	71	78	75	80	83	84	77	68	73	73
1984													
Land	70	82	82	75	77	77	83	92	94	94	85	75	82
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	70	82	82	75	77	77	83	92	94	94	85	75	82
1985													
Land	83	87	85	80	84	84	76	77	77	77	80	77	81
Offshore	0	0	0	0	0	0	0	0	1	1	1	0	0
Total	83	87	85	80	84	84	76	77	78	78	81	77	81
1986													
Land	62	60	57	53	53	48	43	34	39	40	40	34	47
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	62	60	57	53	53	48	43	34	39	40	40	34	47
1987													
Land	43	50	55	61	61	65	65	67	65	66	62	61	60
Offshore	0	0	0	0	0	0	1	1	1	1	1	1	1
Total	43	50	55	61	61	65	66	68	66	67	63	62	61
1988													
Land	65	69	69	64	63	64	63	60	60	59	60	57	63
Offshore	1	1	1	0	0	0	0	0	0	0	0	0	0
Total	66	70	70	64	63	64	63	60	60	59	60	57	63
1989													
Land	55	57	57	55	55	52	51	53	53	54	55	51	54
Offshore	0	0	0	1	1	1	1	1	1	1	1	1	1
Total	55	57	57	56	56	53	52	54	54	55	56	52	55
1990													
Land	53	62	71	72	72	73	65	59	57	57	59	61	63
Offshore	1	1	1	1	1	1	1	0	0	0	0	0	1
Total	54	63	72	73	73	74	66	59	57	57	59	61	64

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Argentina

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	373	365	365	377	377	377	377	397	406	400	400	400	384.4
1971	412	413	412	408	410	410	410	410	410	405	453	455	417.3
1972	442	440	440	433	433	420	430	430	430	430	452	452	435.9
1973	431	431	431	422	422	422	408	410	410	415	415	420	419.7
1974	430	430	423	420	420	406	405	405	415	415	415	415	416.6
1975	415	410	400	400	400	400	405	375	375	375	375	375	392.1
1976	380	380	380	386	386	375	384	396	395	396	400	400	388.2
1977	425	435	435	440	440	440	450	450	430	429	430	430	436.2
1978	430	430	435	446	462	439	441	440	465	473	473	473	450.6
1979	475	475	475	475	475	470	470	470	465	465	465	487	472.3
1980	486	483	483	472	482	480	484	484	493	500	498	501	487.2
1981	500	501	500	500	500	500	489	490	490	486	501	500	496.4
1982	480	480	479	491	485	480	475	484	485	498	493	481	484.3
1983	480	488	485	472	472	472	483	482	482	482	474	475	478.9
1984	483	490	477	478	468	459	454	455	462	465	460	457	467.3
1985	460	450	443	451	447	449	449	445	446	448	445	445	448.2
1986	445	449	444	436	430	431	428	410	407	404	435	435	429.5
1987	376	396	400	409	429	438	438	431	446	426	440	433	421.8
1988	436	434	439	439	438	456	461	462	464	458	455	457	449.9
1989	456	454	452	452	455	444	458	462	467	479	460	475	459.5
1990	470	470	474	473	467	487	470	491	490	489	484	478	478.6

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	15.0	15.0	13.9	15.1	14.8	15.6	16.3	15.7	16.2	15.7	15.7	23.7	192.7
1972	23.7	21.8	22.0	16.2	18.4	16.1	17.7	18.3	26.7	18.5	7.3	19.8	226.5
1973	18.9	18.9	18.0	17.9	19.2	20.2	19.8	20.0	23.6	21.7	22.2	21.2	241.6
1974	23.9	19.5	16.8	21.0	21.0	21.5	24.0	24.0	32.4	26.4	25.2	22.7	278.4
1975	22.6	22.4	21.3	19.6	22.8	22.1	21.9	24.3	22.7	22.7	25.5	25.5	273.4
1976	25.5	24.7	24.7	24.9	21.5	22.7	26.8	20.7	29.3	19.8	19.8	19.8	280.2
1977	23.2	24.8	20.0	24.4	20.3	23.9	20.3	20.3	18.2	18.2	18.4	18.0	250.0
1978	18.1	18.0	20.5	20.2	20.2	33.8	20.2	20.2	26.0	19.8	17.6	19.7	254.3
1979	19.7	17.3	18.4	18.4	18.4	18.3	16.5	16.5	33.7	23.2	21.3	20.0	241.7
1980	24.0	23.0	21.4	21.2	21.2	23.4	17.9	23.4	34.4	30.0	28.5	30.3	298.7
1981	32.3	32.0	32.0	26.0	27.0	27.0	26.0	26.0	26.0	32.0	32.0	30.0	348.3
1982	30.0	29.0	32.0	31.0	28.5	27.5	28.4	28.4	39.8	41.1	39.8	27.9	383.4
1983	29.1	28.6	32.9	46.9	51.8	51.7	55.3	55.2	52.2	50.8	48.8	50.4	553.7
1984	50.6	46.3	51.2	54.0	58.4	57.9	58.8	60.9	58.6	57.0	44.1	55.0	652.8
1985	52.6	45.0	54.4	53.0	57.3	57.7	60.4	59.9	57.5	59.5	57.6	58.0	672.9
1986	56.8	32.4	56.4	56.2	58.2	58.6	61.5	59.7	56.0	56.7	54.4	56.2	663.1
1987	54.2	47.6	56.4	40.4	55.8	56.2	61.4	61.3	58.8	59.6	51.1	56.2	659.0
1988	54.2	50.7	54.6	52.8	58.1	71.0	77.1	77.0	72.6	60.3	58.4	52.9	739.7
1989	66.0	50.2	54.6	71.7	76.4	75.9	78.4	78.4	71.9	67.3	66.3	68.6	825.7
1990	62.6	54.9	63.2	60.2	69.3	67.1	78.3	77.2	75.5	67.7	62.4	66.6	805.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Argentina

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	2.63	0.78	1.58	1.58	1.00	NA	25.45
1982	NA	NA	NA	NA	NA	NA	NA
1983	1.00	0.41	0.26	0.55	0.35	NA	10.87
1984	1.55	0.66	0.50	0.73	0.66	NA	18.69
1985	1.95	0.69	0.45	0.69	0.55	NA	17.07
1986	1.82	0.73	0.69	0.80	0.17	30.49	20.24
1987	1.83	0.68	NA	0.79	0.19	34.51	18.11
1988	1.24	0.56	NA	0.53	0.15	18.09	12.68
1989	1.85	1.17	0.39	0.84	0.67	17.79	NA
1990	1.28	0.59	0.41	0.31	0.31	17.14	9.28

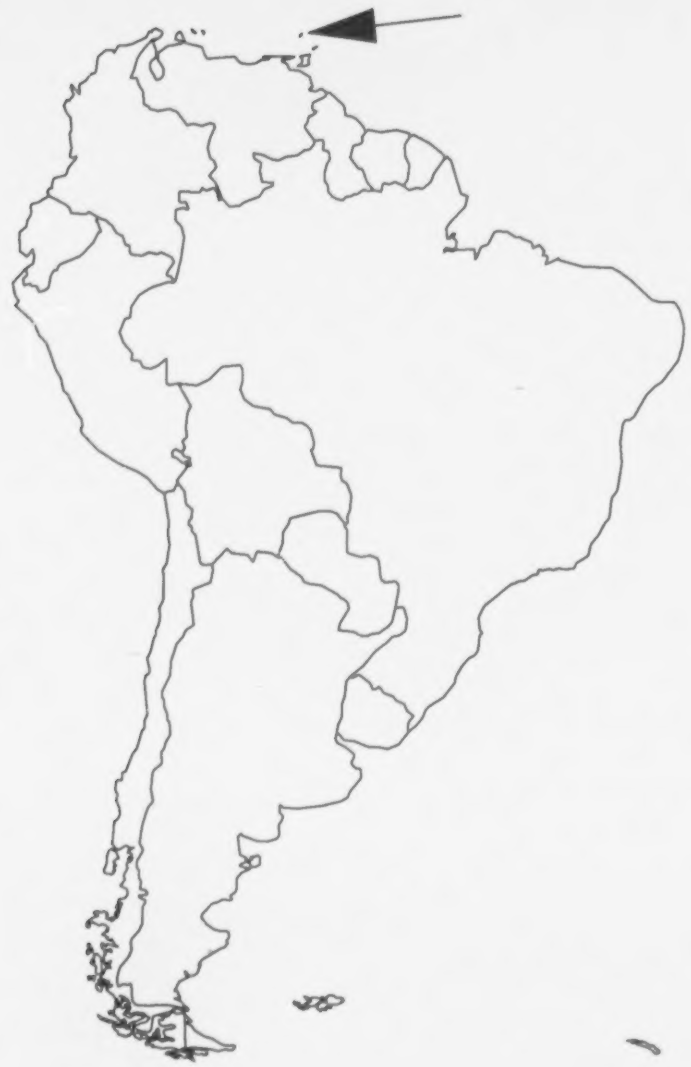
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Barbados

Size (Square Miles): 166
Location: Caribbean Island



Barbados

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	238	369	240	242	243	245	246	246	247	248	247
GNP (Mill US Dollars)	154	181	204	232	283	344	401	439	492	555	669
GNP per Capita (US Dollars)	680	750	830	910	1,040	1,220	1,520	1,740	1,960	2,250	2,670
Consumer Price Index (1987=100)	16.2	17.4	18.7	21.0	24.5	34.0	40.9	43.0	46.6	51.0	57.7

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	249	250	251	252	253	253	254	254	254	255
GNP (Mill US Dollars)	837	948	987	1,036	1,135	1,190	1,278	1,405	1,531	1,670
GNP per Capita (US Dollars)	3,130	3,520	3,760	4,010	4,420	4,640	5,180	5,350	5,910	6,370
Consumer Price Index (1987=100)	66.0	75.6	83.4	87.8	91.9	95.5	96.8	100.0	104.9	111.3

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Barbados

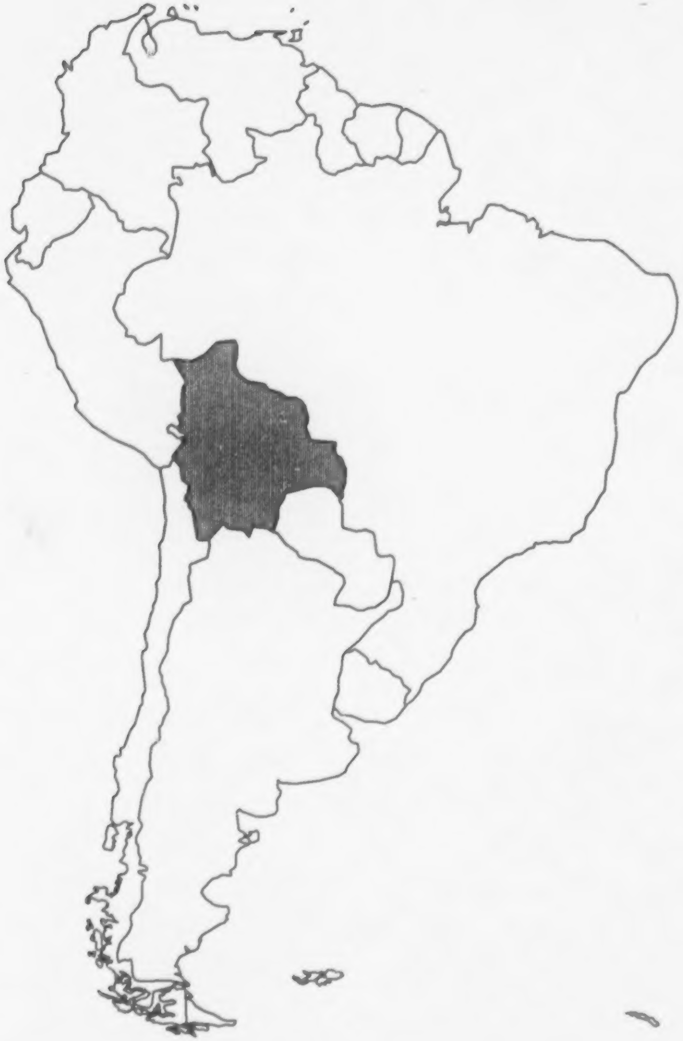
Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Well Completions	(Total)	NA	NA	NA	NA	10	22	11	NA	NA	9	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	2	1	0	1	1	1	0	1	4	3	3
Nat. Gas Reserves, Beginning of Year	(bcf)	NA	NA	NA	NA	NA	NA	NA	NA	10	7	7
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	3	3	3	3	3	3	3	3	3	3	3

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Oil & Gas Journal

Notes

Bolivia

Size (Square Miles): 424,165
Continent: South America



Bolivia

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	4,222	4,325	4,431	4,541	4,655	4,772	4,894	5,020	5,150	5,285	5,425
GNP (Mill US Dollars)	992	1,000	1,101	1,248	1,255	2,085	2,375	2,725	3,115	3,635	4,191
GNP per Capita (US Dollars)	230	230	250	270	290	320	360	400	410	440	470
Consumer Price Index (1987=100)	0.000219	0.00022	0.000236	0.000251	0.000331	0.000539	0.000582	0.000608	0.000675	0.000725	0.000869

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	5,570	5,720	5,875	6,035	6,200	6,371	6,547	6,729	6,917	7,110
GNP (Mill US Dollars)	4,735	6,531	5,381	5,172	6,100	4,622	3,500	3,963	4,098	4,267
GNP per Capita (US Dollars)	490	560	530	480	450	420	440	510	590	620
Consumer Price Index (1987=100)	0.00128	0.00165	0.00384	0.0142	0.2	23.2	87.3	100	116	133.4

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Bolivia

Energy Consumption and Production by Source
Quadrillion BTU

Petroleum Consumption

1980	0.05
1981	0.05
1982	0.05
1983	0.05
1984	0.05
1985	0.04
1986	0.04
1987	0.04
1988	0.04
1989	0.05

Natural Gas Production

1973	0.05
1974	0.06
1975	0.06
1976	0.06
1977	0.06
1978	0.06
1979	0.06
1980	0.07
1981	0.07
1982	0.08
1983	0.08
1984	0.09
1985	0.08
1986	0.09
1987	0.09
1988	0.09
1989	0.09

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Bolivia

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	4	11	11	8	6	5	4	6	5	6	6
Well Completions	(Total)	23	39	31	19	11	19	18	25	31	31	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	150	112	104	180	161	158	154	149	156	176	182
Nat. Gas Reserves, Beginning of Year	(bcf)	5,400	4,200	5,400	5,700	4,900	4,270	4,700	4,840	5,040	5,354	5,475
Crude Oil Production	(000 b/d)	30	25	26	20	20	21	19	19	19	20	21
Nat. Gas Production	(bcf)	128	152	132	99	92	88	99	98	104	101	109
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	74	74	61	61	47	47	47	47	47	58	58
Ethylene Capacity	(000 Tons/Yr)	NA	230	230	230	230	230	230	230	230	230	230
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	NA	11	8	8	8	8	8	6	9	NA	NA
Middle Distillate Demand	(000 b/d)	NA	4	4	4	5	4	1	*	1	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	NA	2	*	3	2	1	5	5	5	NA	NA
Total Product Demand	(000 b/d)	NA	29	22	28	24	22	21	21	23	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Bolivia

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	4	4	11	11	11	10	11	12	14	14	15	14	11
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4	4	11	11	11	10	11	12	14	14	15	14	11
1982													
Land	13	13	13	13	13	12	12	12	10	10	8	8	11
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	13	13	13	13	13	12	12	12	10	10	8	8	11
1983													
Land	7	7	6	7	7	8	8	8	8	8	9	9	8
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7	7	6	7	7	8	8	8	8	8	9	9	8
1984													
Land	6	6	6	6	6	5	6	6	6	6	6	6	6
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6	6	6	6	6	5	6	6	6	6	6	6	6
1985													
Land	5	5	3	5	7	7	7	3	7	7	5	3	5
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	3	5	7	7	7	3	7	7	5	3	5
1986													
Land	5	5	4	3	3	2	1	1	3	3	6	6	4
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	4	3	3	2	1	1	3	3	6	6	4
1987													
Land	7	7	7	7	6	6	6	6	6	5	5	7	6
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7	7	7	7	6	6	6	6	6	5	5	7	6
1988													
Land	6	6	6	4	4	6	6	3	5	6	5	7	5
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6	6	6	4	4	6	6	3	5	6	5	7	5
1989													
Land	6	7	6	6	7	6	5	5	6	6	5	3	6
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6	7	6	6	7	6	5	5	6	6	5	3	6
1990													
Land	5	5	5	6	3	5	6	6	6	7	6	7	6
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	5	6	3	5	6	6	6	7	6	7	6

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	20	20	10	10	10	10	10	10	10	20	20	20	14.2
1971	39	40	40	40	40	40	30	30	30	39	39	39	37.2
1972	38	38	38	38	38	38	38	45	45	45	45	45	40.9
1973	45	45	45	50	50	50	45	45	45	47	47	47	46.8
1974	50	50	50	50	50	50	50	50	50	50	50	55	50.4
1975	34	35	35	35	35	35	45	45	45	45	45	45	39.9
1976	45	45	45	45	45	45	45	40	40	40	40	40	42.9
1977	40	40	40	40	40	40	40	35	35	35	35	35	37.9
1978	35	35	35	35	35	35	35	33	33	33	33	33	34.2
1979	33	33	33	33	33	33	33	30	30	30	30	30	31.8
1980	30	30	30	30	30	30	30	30	30	30	30	26	29.7
1981	24	24	24	24	24	24	25	25	25	25	26	26	24.7
1982	26	26	26	26	26	26	26	26	26	26	26	26	26.0
1983	26	26	20	19	19	19	19	19	19	19	19	19	20.3
1984	20	20	22	20	20	20	20	20	20	20	20	21	20.3
1985	21	21	21	20	20	20	20	20	20	23	23	20	20.8
1986	20	20	20	20	20	17	18	18	17	18	18	18	18.7
1987	18	18	18	20	18	19	19	19	19	19	20	19	18.8
1988	18	18	19	19	20	18	19	20	19	19	20	19	19.0
1989	18	19	19	19	20	21	22	21	21	20	19	19	19.8
1990	19	19	19	20	19	20	19	23	23	22	22	23	20.7

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	0.1	11.2	13.4	14.1	13.6	12.4	5.6	6.0	12.4	7.8	7.5	7.8	111.9
1972	7.0	6.8	7.1	7.5	7.4	6.8	11.1	10.0	11.5	8.2	10.4	14.0	107.8
1973	14.0	6.9	13.3	13.3	12.4	13.6	12.8	14.2	12.1	12.0	13.4	13.5	151.5
1974	13.0	13.1	12.9	14.1	11.9	12.0	11.9	11.6	12.6	13.4	12.9	12.8	152.2
1975	11.2	11.0	10.1	4.8	6.7	6.7	6.7	6.7	12.0	12.0	12.0	12.0	111.9
1976	12.0	12.0	12.0	12.0	11.3	11.2	11.3	11.3	12.0	12.8	12.8	12.8	143.5
1977	7.6	5.0	6.7	6.8	10.6	12.9	10.6	11.1	11.1	11.1	12.8	12.0	118.3
1978	11.8	12.0	10.7	10.7	10.7	10.7	10.7	10.7	12.4	10.5	9.4	10.5	130.8
1979	10.3	9.0	10.3	11.0	10.0	9.9	10.0	10.0	11.0	10.9	10.1	10.0	122.5
1980	10.9	11.2	11.4	11.4	11.4	8.0	9.6	10.9	10.9	10.0	11.2	11.2	128.1
1981	12.7	13.0	13.0	13.0	13.0	12.0	11.0	13.0	13.0	13.0	13.0	12.0	151.7
1982	14.0	14.0	15.8	15.2	15.8	8.2	8.2	8.2	8.2	8.2	8.2	8.2	132.2
1983	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.3	98.5
1984	8.3	8.3	7.6	7.4	7.6	7.4	7.6	7.6	7.4	7.6	7.4	7.6	91.8
1985	7.6	6.6	7.4	7.2	7.4	7.2	7.4	7.4	7.4	7.4	7.4	7.4	87.8
1986	7.6	6.9	7.6	7.4	7.6	9.2	9.0	9.0	8.8	9.1	8.8	7.5	98.5
1987	7.5	6.8	7.5	7.8	8.2	8.5	8.8	9.0	8.7	9.0	8.4	8.0	98.2
1988	9.0	8.5	9.1	8.8	9.1	8.1	8.4	7.7	7.5	9.6	9.2	9.2	104.2
1989	7.8	7.0	8.4	7.2	8.5	8.4	9.0	9.1	8.8	9.0	8.7	9.1	101.0
1990	9.1	8.1	9.0	9.0	8.7	9.0	9.9	10.1	9.7	9.0	8.8	8.5	108.9

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Bolivia

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)
1981	0.91	0.61	NA	0.14	0.17	NA
1982	1.06	0.91	NA	0.61	0.45	NA
1983	0.66	0.44	NA	0.15	0.31	NA
1984	0.76	0.45	NA	0.11	0.18	NA
1985	0.76	0.88	NA	0.25	0.46	NA
1986	0.98	0.98	NA	0.98	0.51	36.25
1987	1.14	1.18	NA	0.85	0.31	49.68
1988	1.18	0.91	NA	0.76	0.39	34.39
1989	1.46	0.95	0.85	0.75	0.51	39.75
1990	1.47	0.97	NA	1.01	0.57	35.82

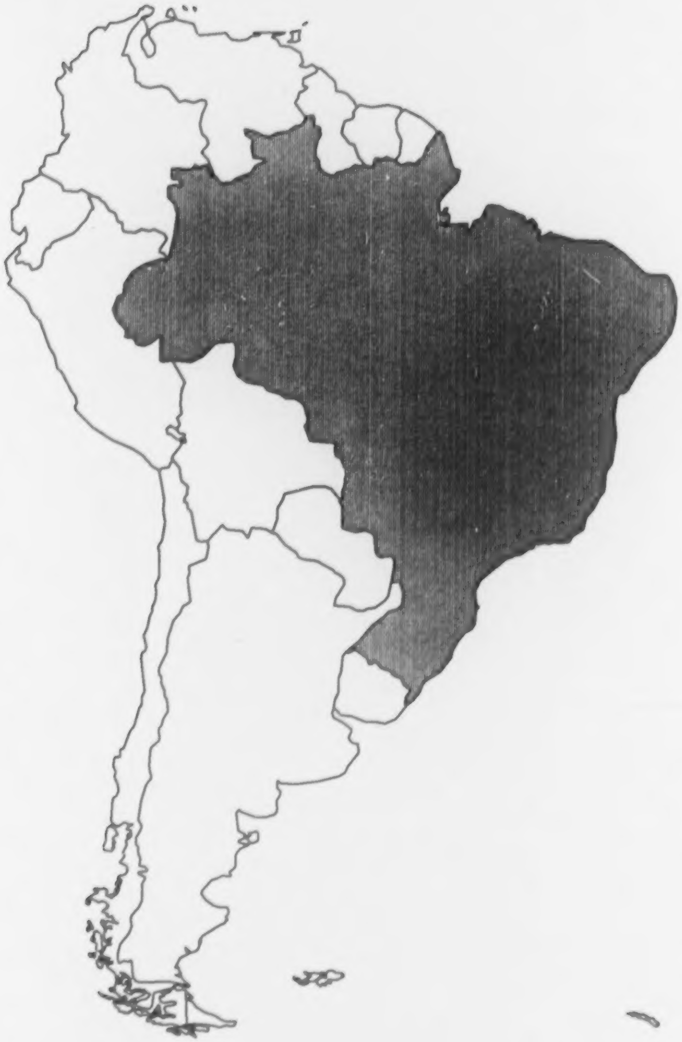
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Brazil

Size (Square Miles): 3,286,488
Location: South America



Brazil

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	94,000	96,000	98,000	101,000	103,000	106,000	108,000	111,000	113,000	116,000	119,000
GNP (Mill US Dollars)	36,341	41,739	48,679	58,305	78,852	103,971	122,346	186,916	141,844	220,994	222,222
GNP per Capita (US Dollars)	410	450	500	570	710	880	1,070	1,300	1,470	1,640	1,870
Consumer Price Index (1987=100)	0.00516	0.00631	0.00758	0.00883	0.00996	0.0127	0.0164	0.0233	0.0334	0.0464	0.0708

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	121,000	124,000	127,000	130,000	133,000	136,000	138,000	141,000	144,000	147,000
GNP (Mill US Dollars)	227,704	257,787	266,667	194,107	201,081	216,129	259,780	292,225	337,423	462,257
GNP per Capita (US Dollars)	2,070	2,030	2,070	1,840	1,730	1,670	1,810	1,960	2,120	2,540
Consumer Price Index (1987=100)	0.1	0.3	0.5	1.3	3.8	12.4	30.3	100.0	782.3	10,850.3

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Brazil

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	2.40	0.25	1.33	0.00	4.01
1981	2.24	0.26	1.34	0.00	3.89
1982	2.18	0.30	1.45	*	3.97
1983	2.00	0.34	1.56	*	3.96
1984	2.12	0.39	1.71	0.03	4.33
1985	2.21	0.44	1.84	0.03	4.61
1986	2.52	0.44	1.88	*	4.93
1987	2.57	0.46	2.05	0.01	5.09
1988	2.65	0.40	2.20	*	5.35
1989	2.68	0.40	2.20	0.02	5.40

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	0.37	NA	0.04	0.61	0.00	1.03
1974	0.38	NA	0.07	0.68	0.00	1.15
1975	0.39	0.02	0.06	0.77	0.00	1.24
1976	0.36	0.03	0.08	0.86	0.00	1.32
1977	0.35	0.04	0.08	0.97	0.00	1.44
1978	0.35	0.04	0.08	1.07	0.00	1.53
1979	0.36	0.03	0.17	1.20	0.00	1.76
1980	0.40	0.04	0.19	1.34	0.00	1.97
1981	0.47	0.04	0.13	1.35	0.00	1.99
1982	0.57	0.05	0.14	1.45	*	2.21
1983	0.75	0.06	0.15	1.56	*	2.52
1984	1.05	0.08	0.16	1.71	0.03	3.03
1985	1.25	0.10	0.18	1.84	0.03	3.38
1986	1.26	0.09	0.17	1.88	*	3.41
1987	1.26	0.11	0.17	2.05	0.01	3.59
1988	1.24	0.10	0.15	2.20	*	3.69
1989	1.33	0.10	0.14	2.20	0.02	3.78

* Denotes less than 5 trillion Btu.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Brazil

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	72	81	94	83	70	76	77	60	39	28	23
Well Completions	(Total)	463	668	1,045	883	963	1,074	1,086	950	793	591	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	1,220	1,300	1,325	1,750	1,800	1,976	2,070	2,250	2,340	2,550	2,816
Nat. Gas Reserves, Beginning of Year	(bcf)	1,500	1,500	1,848	2,330	2,669	2,840	3,060	3,200	3,600	3,700	3,849
Crude Oil Production	(000 b/d)	186	215	256	328	459	546	575	566	553	596	637
Nat. Gas Production	(bcf)	85	96	106	142	173	193	201	204	199	114	113
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	1,205	1,402	1,407	1,219	1,301	1,305	1,305	1,321	1,407	1,407	1,397
Ethylene Capacity	(000 Tons/Yr)	NA	1,222	1,242	1,347	1,407	1,427	1,428	1,461	1,502	1,573	1,581
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	239	179	249	238	232	217	337	319	277	NA	NA
Middle Distillate Demand	(000 b/d)	326	325	326	319	332	337	384	409	425	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	323	262	232	190	173	177	187	204	195	NA	NA
Total Product Demand	(000 b/d)	1,164	1,022	1,082	975	1,070	1,125	1,297	1,323	1,300	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	1	15	22	1	0	0	0	0	4	NA	NA
Pet Product Exports	(000 b/d)	24	69	90	96	176	171	112	131	156	NA	NA
Total Pet Exports	(000 b/d)	25	84	112	97	176	171	112	131	160	NA	NA
Crude Oil Imports	(000 b/d)	869	842	798	731	646	545	584	618	637	NA	NA
Pet Product Imports	(000 b/d)	39	23	60	37	10	33	44	53	98	NA	NA
Total Pet Imports	(000 b/d)	908	865	858	768	656	578	628	671	735	NA	NA
Net Crude Imports (Exports)	(000 b/d)	868	827	776	730	646	545	584	618	633	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	15	(46)	(30)	(59)	(166)	(138)	(68)	(78)	(58)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	883	781	746	671	480	407	516	540	575	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Brazil

Active Drilling Rigs
Land, Offshore, Total

1981	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
Land	44	45	47	49	48	52	53	56	55	56	55	60	52
Offshore	29	29	31	31	31	31	29	30	28	29	29	29	30
Total	73	74	78	80	79	83	82	86	83	85	84	89	82
1982													
Land	61	62	63	64	64	64	65	62	62	62	63	64	63
Offshore	31	29	30	33	29	28	30	28	33	31	36	36	31
Total	92	91	93	97	93	92	95	90	95	93	99	100	94
1983													
Land	66	64	64	57	56	53	50	52	51	46	46	44	54
Offshore	34	35	34	33	27	32	31	25	27	23	25	24	29
Total	100	99	98	90	83	85	81	77	78	69	71	68	83
1984													
Land	45	43	44	41	40	44	44	45	46	45	45	46	44
Offshore	26	24	21	23	26	27	27	22	26	28	30	28	26
Total	71	67	65	64	66	71	71	67	72	73	75	74	70
1985													
Land	46	48	48	45	45	47	43	43	46	45	48	46	46
Offshore	29	28	29	27	27	32	28	32	32	34	33	30	30
Total	75	76	77	72	72	79	71	75	78	79	81	76	76
1986													
Land	49	49	44	44	49	47	47	48	46	44	42	41	46
Offshore	32	32	32	32	28	32	31	32	29	32	32	25	31
Total	81	81	76	76	77	79	78	80	75	76	74	66	77
1987													
Land	43	39	39	36	35	34	35	30	33	33	32	37	36
Offshore	34	30	31	29	26	25	25	24	18	18	18	20	25
Total	77	69	70	65	61	59	60	54	51	51	50	57	61
1988													
Land	30	30	30	31	31	32	24	23	23	28	28	28	28
Offshore	13	11	11	11	11	12	9	6	11	11	11	11	11
Total	43	41	41	42	42	44	33	29	34	39	39	39	39
1989													
Land	30	26	25	26	26	23	19	12	12	15	15	15	20
Offshore	7	8	8	9	9	9	8	7	7	5	5	5	7
Total	37	34	33	35	35	32	27	19	19	20	20	20	27
1990													
Land	14	14	14	16	16	15	14	15	15	18	18	16	15
Offshore	7	7	9	10	8	8	7	8	10	6	3	6	7
Total	21	21	23	26	24	23	21	23	25	24	21	22	22

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Brazil

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	175	175	176	176	176	176	176	155	170	155	155	155	168.3
1971	170	170	174	175	175	171	171	171	165	171	166	166	170.4
1972	166	165	165	165	165	170	170	165	165	165	165	165	165.9
1973	165	165	165	165	165	165	168	168	168	169	170	170	166.9
1974	170	170	170	170	170	170	170	170	170	195	195	195	176.3
1975	190	190	190	190	185	185	180	175	173	173	173	173	181.4
1976	175	180	180	168	170	170	170	170	170	170	170	170	171.9
1977	175	175	175	159	160	165	165	165	170	170	170	170	168.3
1978	170	170	170	170	170	160	150	160	160	160	160	163	163.6
1979	160	164	164	165	165	165	165	165	162	162	162	162	163.4
1980	181	181	181	186	186	186	190	198	170	169	185	221	186.2
1981	182	213	217	218	218	211	212	220	223	224	221	217	214.7
1982	230	246	253	261	256	244	245	255	258	272	281	275	256.3
1983	315	306	310	310	317	318	329	315	332	335	374	375	328.0
1984	430	430	428	441	433	433	486	449	469	496	500	509	458.7
1985	520	504	525	531	544	545	550	551	555	578	574	580	546.4
1986	580	574	582	579	573	578	570	578	568	580	560	580	575.2
1987	571	562	562	563	562	570	551	559	570	574	571	581	566.3
1988	584	590	590	577	523	557	551	541	543	541	502	535	552.8
1989	551	558	559	576	593	582	609	622	626	624	627	630	596.4
1990	616	637	638	645	654	623	612	636	636	610	654	680	636.8

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	1.2	1.1	3.7	4.0	3.7	4.1	3.7	3.7	3.7	7.9	3.4	3.4	43.6
1972	3.0	3.2	3.0	3.3	4.2	3.4	3.5	3.4	3.5	3.5	3.6	3.6	41.2
1973	3.2	3.1	3.6	3.6	4.1	6.2	4.9	5.6	3.2	2.9	3.5	4.2	48.1
1974	3.4	3.5	3.5	4.6	3.6	3.9	4.7	4.0	4.2	3.7	4.2	4.0	47.3
1975	4.6	4.5	4.2	4.7	5.0	5.0	4.7	4.7	4.7	4.8	4.7	4.6	56.2
1976	4.6	4.4	5.0	4.6	4.9	4.9	4.9	4.9	4.9	4.7	4.7	4.7	57.2
1977	4.3	4.6	5.0	4.8	5.3	4.8	5.3	5.3	5.6	4.9	5.1	6.0	61.0
1978	6.0	5.7	6.3	6.4	6.2	6.7	6.7	7.4	15.0	6.4	6.0	6.4	85.2
1979	7.2	6.2	6.8	7.0	6.8	6.8	6.3	6.3	5.7	6.2	5.7	6.0	77.0
1980	6.6	6.6	6.9	6.9	6.0	3.3	7.8	9.0	8.2	8.0	7.7	7.7	84.7
1981	8.3	8.0	10.0	9.0	7.0	8.0	8.0	9.0	9.0	7.0	7.0	6.0	96.3
1982	8.0	7.5	8.3	8.1	8.6	8.1	8.6	9.2	9.2	10.2	9.7	10.7	106.2
1983	11.2	10.6	12.3	11.8	11.4	11.1	12.8	12.0	11.7	12.1	12.3	12.9	142.2
1984	13.8	12.9	13.8	13.7	14.1	14.1	14.8	14.4	14.6	15.5	15.4	15.8	172.9
1985	16.0	14.5	16.6	15.5	16.7	16.0	16.6	16.3	15.7	16.7	16.0	16.7	193.3
1986	17.0	15.7	16.7	16.3	16.6	17.0	17.6	17.1	16.0	17.0	16.3	17.3	200.6
1987	17.5	15.8	17.6	17.1	17.0	17.0	17.4	16.8	16.3	16.9	16.8	17.5	203.7
1988	18.1	14.9	18.5	17.9	16.6	17.1	17.1	17.1	17.0	17.8	14.7	11.7	198.5
1989	7.1	9.5	10.1	10.0	10.3	11.6	12.9	8.6	9.0	8.6	8.3	7.9	113.9
1990	8.5	7.6	8.4	6.4	13.9	7.8	8.6	9.4	8.9	9.0	12.2	12.6	113.3

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Brazil

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	2.52	0.97	NA	1.03	0.70	NA	24.73
1982	NA	NA	NA	NA	NA	NA	NA
1983	2.47	1.51	NA	1.52	NA	NA	26.84
1984	2.00	1.38	NA	1.41	1.03	NA	26.83
1985	1.92	1.13	NA	1.12	0.98	NA	27.39
1986	1.81	1.17	NA	1.21	0.76	20.87	23.22
1987	2.94	1.92	NA	1.07	NA	42.26	NA
1988	2.18	0.94	NA	0.95	0.82	21.44	16.67
1989	1.41	0.69	0.85	0.79	0.50	12.59	9.55
1990	1.77	0.97	0.58	1.01	0.69	22.43	15.98

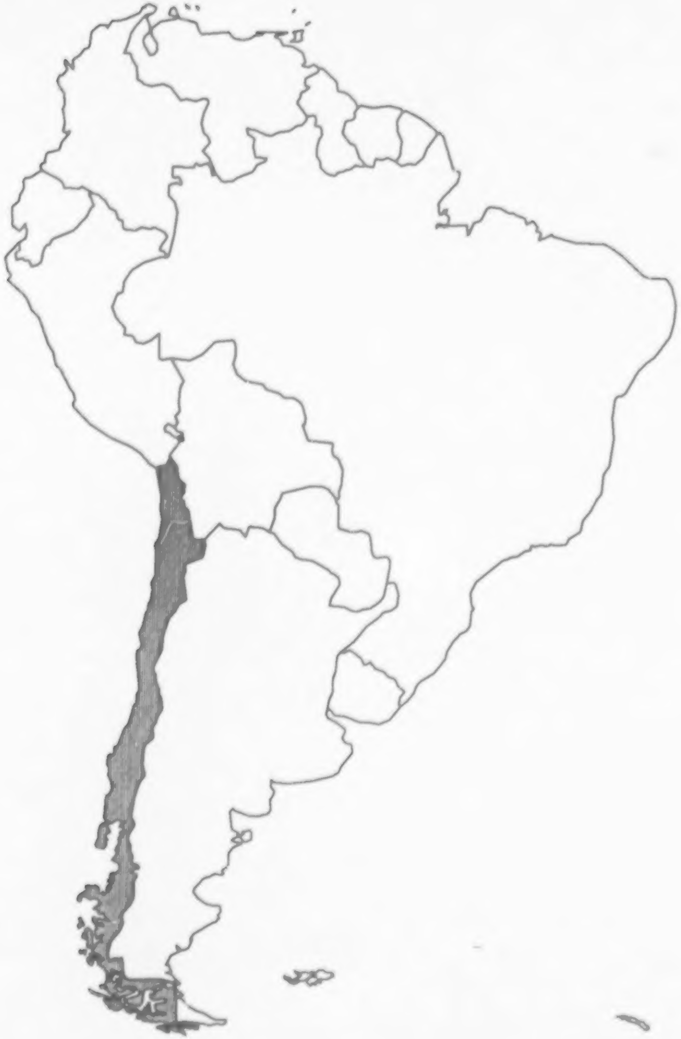
+ Gasoline is regular leaded from 1981-1985 and premium leaded from 1986-1990.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Chile

Size (Square Miles): 292,135
Location: South America



Chile

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	9,325	9,504	9,682	9,855	10,024	10,189	10,350	10,508	10,662	10,815	10,975
GNP (Mill US Dollars)	7,389	8,000	10,081	11,897	9,910	10,938	6,945	9,540	13,093	15,051	20,207
GNP per Capita (US Dollars)	810	840	990	1,080	1,080	1,140	860	880	1,030	1,330	1,680
Consumer Price Index (1987=100)	0.00478	0.00633	0.0076	0.0133	0.0613	0.371	1.8	5.5	10.5	14.8	19.7

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	11,145	11,333	11,526	11,721	11,919	12,121	12,330	12,543	12,760	12,980
GNP (Mill US Dollars)	26,754	31,290	22,569	18,147	17,338	14,224	14,932	17,375	20,339	23,297
GNP per Capita (US Dollars)	2,100	2,600	2,220	1,930	1,680	1,450	1,350	1,370	1,510	1,770
Consumer Price Index (1987=100)	26.6	31.9	35.0	44.6	53.4	69.8	83.4	100.0	114.7	134.2

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Chile

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Coal	Hydroelectric Power	Primary Energy
1980	0.22	0.06	0.08	0.36
1981	0.21	0.05	0.08	0.34
1982	0.20	0.03	0.09	0.32
1983	0.19	0.03	0.09	0.31
1984	0.19	0.05	0.10	0.34
1985	0.19	0.04	0.11	0.34
1986	0.19	0.06	0.12	0.37
1987	0.21	0.06	0.13	0.40
1988	0.22	0.07	0.12	0.41
1989	0.23	0.08	0.12	0.43

Production

	Coal	Hydroelectric Power	Primary Energy
1973	NA	0.05	0.05
1974	NA	0.06	0.06
1975	0.04	0.06	0.10
1976	0.03	0.06	0.09
1977	0.03	0.07	0.10
1978	0.03	0.07	0.10
1979	0.03	0.07	0.10
1980	0.02	0.08	0.10
1981	0.03	0.08	0.11
1982	0.02	0.09	0.11
1983	0.03	0.09	0.12
1984	0.03	0.10	0.13
1985	0.04	0.11	0.15
1986	0.04	0.12	0.16
1987	0.04	0.13	0.17
1988	0.06	0.12	0.18
1989	0.05	0.12	0.17

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Chile

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	7	7	7	6	6	6	6	7	5	5	6
Well Completions	(Total)	76	118	118	93	81	83	92	104	78	53	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	400	400	790	760	748	736	726	290	290	287	300
Nat. Gas Reserves, Beginning of Year	(bcf)	2,500	2,500	2,620	2,515	2,400	2,360	2,300	4,200	4,200	4,200	4,200
Crude Oil Production	(000 b/d)	30	40	43	39	38	33	31	28	25	22	20
Nat. Gas Production	(bcf)	114	141	179	170	174	209	213	71	57	44	39
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	139	139	141	141	141	141	141	150	141	147	147
Ethylene Capacity	(000 Tons/Yr)	NA	60	60	60	60	60	60	60	60	60	60
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	25	27	25	27	25	23	24	26	28	NA	NA
Middle Distillate Demand	(000 b/d)	25	22	23	27	28	25	30	32	36	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	28	25	22	22	21	18	17	16	18	NA	NA
Total Product Demand	(000 b/d)	107	97	88	100	96	87	97	103	111	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	2	0	0	0	1	2	3	4	7	NA	NA
Total Pet Exports	(000 b/d)	2	0	0	0	1	2	3	4	7	NA	NA
Crude Oil Imports	(000 b/d)	64	52	25	38	40	42	48	56	80	NA	NA
Pet Product Imports	(000 b/d)	*	1	23	9	11	3	9	5	8	NA	NA
Total Pet Imports	(000 b/d)	64	53	48	47	51	45	57	61	88	NA	NA
Net Crude Imports (Exports)	(000 b/d)	64	52	25	38	40	42	48	56	80	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(2)	1	23	9	10	1	6	1	1	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	62	53	48	47	50	43	54	57	81	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Chile

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	4	4	3	3	3	3	4	4	3	3	3	3	3
Offshore	4	4	3	4	4	4	4	4	4	4	4	3	4
Total	8	8	6	7	7	7	8	8	7	7	7	6	7
1982													
Land	3	4	4	3	4	4	4	4	4	4	3	3	4
Offshore	3	3	3	3	3	3	3	3	3	3	3	3	3
Total	6	7	7	6	7	7	7	7	7	7	6	6	7
1983													
Land	3	3	3	3	3	3	3	3	3	3	3	3	3
Offshore	3	3	3	3	3	3	3	3	3	3	3	3	3
Total	6	6	6	6	6	6	6	6	6	6	6	6	6
1984													
Land	2	2	2	2	3	3	3	3	3	3	3	3	3
Offshore	3	3	3	3	3	3	3	3	3	3	3	3	3
Total	5	5	5	5	6	6	6	6	6	6	6	6	6
1985													
Land	3	3	3	3	3	3	3	3	3	3	3	3	3
Offshore	3	3	3	3	3	3	3	3	3	3	3	3	3
Total	6	6	6	6	6	6	6	6	6	6	6	6	6
1986													
Land	3	3	3	3	3	3	3	3	3	3	3	3	3
Offshore	3	3	3	3	3	3	3	3	3	3	3	3	3
Total	6	6	6	6	6	6	6	6	6	6	6	6	6
1987													
Land	4	4	4	4	4	4	4	4	4	4	3	3	4
Offshore	3	3	3	2	3	3	3	3	3	3	3	3	3
Total	7	7	7	6	7	7	7	7	7	7	6	6	7
1988													
Land	3	3	3	3	2	2	2	2	2	2	2	2	2
Offshore	3	3	3	3	3	3	3	3	3	3	3	2	3
Total	6	6	6	6	5	5	5	5	5	5	5	4	5
1989													
Land	2	2	2	2	2	2	2	2	3	3	3	3	2
Offshore	2	2	1	1	2	2	3	3	3	3	3	3	2
Total	4	4	3	3	4	4	5	5	6	6	6	6	4
1990													
Land	3	3	3	3	3	3	2	2	2	2	2	2	3
Offshore	3	3	3	3	3	3	3	3	3	3	3	3	3
Total	6	6	6	6	6	6	5	5	5	5	5	5	6

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Chile

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	37	37	37	37	37	37	37	37	37	36	36	36	36.8
1971	35	35	35	35	35	34	34	34	34	36	36	36	34.9
1972	35	35	35	35	35	32	35	34	34	34	34	34	34.4
1973	35	35	35	35	35	35	31	31	31	31	31	31	33.0
1974	31	31	30	30	30	30	30	30	30	30	30	30	30.2
1975	25	25	25	25	25	25	25	25	25	25	25	25	25.0
1976	25	25	25	25	25	25	25	25	25	25	25	25	25.0
1977	25	25	25	25	25	25	22	22	22	25	25	25	24.3
1978	20	20	20	20	20	20	20	18	18	18	18	18	19.2
1979	18	18	18	17	17	17	17	17	25	25	25	25	19.9
1980	26	26	26	26	30	30	30	30	30	30	30	42	29.7
1981	40	40	40	40	40	40	37	37	42	42	42	42	40.2
1982	50	41	39	39	43	45	45	43	45	42	44	44	43.3
1983	44	42	39	37	39	36	36	37	40	40	41	40	39.3
1984	40	40	41	41	38	38	40	40	36	36	36	32	38.2
1985	36	35	34	35	33	32	31	31	31	32	35	36	33.4
1986	33	32	32	33	33	32	34	31	31	29	25	30	31.3
1987	30	31	29	28	29	29	29	27	26	25	25	24	27.7
1988	25	25	23	22	24	25	25	26	25	25	27	25	24.8
1989	24	24	23	22	20	21	25	21	23	22	22	21	22.3
1990	20	21	21	21	20	20	20	20	20	20	20	20	20.3

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	14.0	13.9	10.1	11.0	23.9	20.1	23.9	23.9	23.9	22.4	22.6	23.7	233.4
1972	26.9	26.0	25.9	23.0	27.0	24.8	24.0	20.0	23.0	23.2	23.9	23.0	290.7
1973	21.0	20.0	23.4	21.6	20.7	24.0	21.2	20.8	21.1	19.7	12.8	11.9	238.2
1974	21.8	11.9	12.0	11.9	23.2	20.1	19.1	11.9	21.7	20.1	19.2	19.4	212.3
1975	12.0	12.0	20.2	12.7	12.1	10.0	10.1	10.0	10.1	10.0	10.0	9.7	138.9
1976	9.7	10.6	10.6	10.6	10.6	20.6	10.6	10.6	20.7	19.6	20.6	20.6	175.4
1977	11.4	12.6	10.2	10.5	6.8	19.6	24.0	24.0	22.9	22.9	22.0	22.0	208.9
1978	22.0	22.0	24.2	29.5	28.4	28.1	28.1	29.0	36.0	26.7	20.0	26.7	320.7
1979	28.8	25.3	28.7	26.5	28.9	28.9	34.6	34.6	18.1	18.0	18.0	16.0	306.4
1980	16.0	15.0	14.0	14.0	14.0	10.3	10.0	4.0	3.8	4.0	4.2	4.2	113.5
1981	4.7	4.0	5.0	5.0	15.0	15.0	14.0	15.0	15.0	16.0	16.0	16.0	140.7
1982	16.0	13.7	14.5	14.5	15.4	14.2	15.9	15.7	15.0	15.1	14.0	14.5	178.5
1983	14.4	13.1	15.0	10.0	15.1	14.4	14.7	14.8	14.4	14.8	14.5	14.6	169.8
1984	14.7	13.7	14.7	14.2	14.3	14.2	14.3	14.7	18.8	15.0	13.4	11.8	173.8
1985	11.4	10.2	16.2	18.0	22.4	21.8	23.4	22.5	19.4	17.1	13.9	12.2	208.5
1986	13.5	12.2	16.3	18.8	22.5	23.6	25.1	23.1	19.9	17.9	16.4	4.1	213.4
1987	4.4	3.7	5.2	5.7	6.7	7.1	8.0	8.0	6.5	5.9	4.8	4.7	70.7
1988	4.4	4.1	4.4	4.8	4.9	4.8	4.9	4.9	4.8	4.9	4.8	4.9	56.6
1989	4.9	4.4	4.9	4.7	3.4	3.5	3.2	3.0	2.9	3.1	2.9	2.9	43.8
1990	3.0	2.7	3.2	3.1	3.5	3.5	3.5	3.6	3.3	3.3	3.2	3.3	39.2

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Chile

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	2.00	1.63	NA	1.30	1.09	NA	28.64
1982	NA	NA	NA	NA	NA	NA	NA
1983	1.74	1.48	NA	1.54	1.23	NA	47.54
1984	1.79	1.42	NA	1.48	1.24	NA	45.00
1985	1.68	1.32	NA	1.43	1.16	NA	43.29
1986	1.64	1.35	0.90	1.30	1.03	NA	40.84
1987	1.23	0.95	NA	0.80	NA	42.26	NA
1988	NA	NA	NA	NA	NA	NA	NA
1989	1.21	1.20	1.17	0.96	0.90	30.39	21.96
1990	1.20	0.94	0.93	0.81	0.78	27.31	17.57

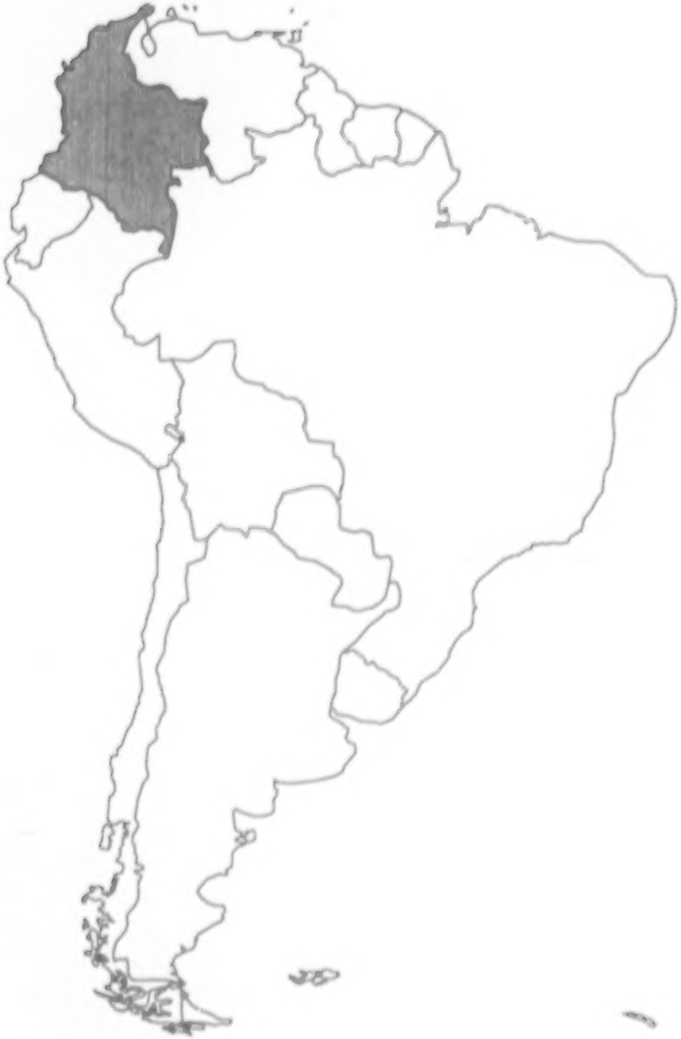
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Colombia

Size (Square Miles): 440,831
Location: South America



Colombia

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
Population (Thousands)	20,805	21,360	21,877	22,394	22,916	23,448	23,991	24,550	25,127	25,719
GNP (Mill US Dollars)	6,351	6,996	7,627	8,459	10,068	15,803	12,835	15,019	19,255	23,069
GNP per Capita (US Dollars)	320	340	360	390	430	500	550	600	680	840
Consumer Price Index (1987=100)	3.4	3.7	4.0	4.5	5.5	6.8	8.4	10.1	13.4	15.8

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	26,906	27,498	28,091	28,685	29,281	29,879	30,481	31,090	31,707	32,335
GNP (Mill US Dollars)	33,270	36,190	38,390	37,933	37,264	33,898	33,713	34,055	36,354	36,853
GNP per Capita (US Dollars)	1,180	1,320	1,390	1,380	1,370	1,280	1,220	1,180	1,180	1,190
Consumer Price Index (1987=100)	24.9	31.7	39.5	47.4	55.0	68.2	81.1	100.0	128.1	161.2

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Colombia

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1980	0.32	0.11	0.14	0.15	0.72
1981	0.33	0.09	0.14	0.15	0.71
1982	0.34	0.12	0.15	0.19	0.80
1983	0.34	0.11	0.15	0.19	0.79
1984	0.35	0.16	0.16	0.21	0.88
1985	0.34	0.16	0.19	0.22	0.91
1986	0.34	0.16	0.14	0.26	0.90
1987	0.37	0.16	0.13	0.26	0.92
1988	0.40	0.17	0.11	0.30	0.98
1989	0.41	0.17	0.11	0.30	0.99

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1973	0.42	0.14	0.08	0.08	0.72
1974	0.39	0.13	0.08	0.09	0.69
1975	0.36	0.08	0.08	0.10	0.62
1976	0.33	0.08	0.09	0.11	0.61
1977	0.31	0.13	0.09	0.11	0.64
1978	0.29	0.15	0.09	0.13	0.66
1979	0.28	0.14	0.12	0.14	0.68
1980	0.29	0.11	0.13	0.15	0.68
1981	0.28	0.12	0.13	0.15	0.68
1982	0.32	0.12	0.16	0.19	0.79
1983	0.33	0.12	0.14	0.19	0.78
1984	0.37	0.16	0.17	0.21	0.91
1985	0.39	0.16	0.24	0.22	1.01
1986	0.68	0.16	0.26	0.26	1.36
1987	0.86	0.16	0.36	0.26	1.64
1988	0.83	0.17	0.37	0.30	1.67
1989	0.90	0.17	0.40	0.30	1.77

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Colombia

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	14	22	23	18	16	21	17	14	19	15	11
Well Completions	(Total)	123	188	167	248	122	156	218	162	284	208	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	710	800	516	536	560	624	1,224	1,291	1,590	2,028	2,060
Nat. Gas Reserves, Beginning of Year	(bcf)	5,000	6,000	4,362	4,580	4,300	3,786	4,130	4,000	3,600	3,943	4,020
Crude Oil Production	(000 b/d)	125	125	140	151	167	176	306	386	375	409	445
Nat. Gas Production	(bcf)	128	114	106	169	189	185	183	178	174	168	142
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	194	199	199	214	211	211	211	226	226	227	227
Ethylene Capacity	(000 Tons/Yr)	NA	115	215	115	115	115	115	115	200	215	215
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	75	71	73	88	80	85	92	96	101	NA	NA
Middle Distillate Demand	(000 b/d)	26	28	44	48	30	32	35	32	34	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	17	17	19	15	7	5	8	17	20	NA	NA
Total Product Demand	(000 b/d)	184	172	183	176	174	171	172	185	198	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	*	103	146	144	NA	NA
Pet Product Exports	(000 b/d)	26	28	33	37	45	50	59	67	61	NA	NA
Total Pet Exports	(000 b/d)	26	28	33	37	45	50	162	213	205	NA	NA
Crude Oil Imports	(000 b/d)	20	21	20	38	36	22	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	36	30	30	20	16	15	21	13	23	NA	NA
Total Pet Imports	(000 b/d)	56	51	50	58	52	37	21	13	23	NA	NA
Net Crude Imports (Exports)	(000 b/d)	20	21	20	38	36	22	(103)	(146)	(144)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	10	2	(3)	(17)	(29)	(35)	(38)	(54)	(38)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	30	23	17	21	7	(13)	(141)	(200)	(182)	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Colombia

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	21	21	21	26	25	16	19	20	22	22	23	23	22
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	21	21	21	26	25	16	19	20	22	22	23	23	22
1982													
Land	25	23	23	23	26	21	26	17	19	22	23	20	22
Offshore	0	0	0	0	0	0	0	0	0	1	1	1	0
Total	25	23	23	23	26	21	26	17	19	23	24	21	22
1983													
Land	21	19	18	18	17	16	15	18	13	18	21	20	18
Offshore	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	22	19	18	18	17	16	15	18	13	18	21	20	18
1984													
Land	13	14	16	16	14	16	14	19	17	17	17	17	16
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	13	14	16	16	14	16	14	19	17	17	17	17	16
1985													
Land	16	18	18	19	19	25	23	23	25	25	23	22	21
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	18	18	19	19	25	23	23	25	25	23	22	21
1986													
Land	18	22	22	18	16	15	15	16	13	13	15	15	17
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	18	22	22	18	16	15	15	16	13	13	15	15	17
1987													
Land	9	17	12	13	13	13	13	13	12	16	16	17	14
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	9	17	12	13	13	13	13	13	12	16	16	17	14
1988													
Land	16	16	16	21	21	20	21	19	20	19	17	16	19
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	16	16	21	21	20	21	19	20	19	17	16	19
1989													
Land	13	16	18	18	16	16	15	14	14	13	12	12	15
Offshore	0	0	0	0	0	0	0	0	1	1	0	0	0
Total	13	16	18	18	16	16	15	14	15	14	12	12	15
1990													
Land	11	11	11	9	10	9	8	10	8	13	13	14	11
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	11	11	11	9	10	9	8	10	8	13	13	14	11

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Colombia

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	250	250	250	250	250	250	250	195	195	230	230	230	235.8
1971	233	233	233	233	233	230	230	225	225	225	220	220	228.3
1972	220	220	220	220	220	225	225	220	220	220	195	195	216.7
1973	200	200	200	200	200	200	190	190	190	200	200	200	197.5
1974	200	200	175	175	175	175	170	170	170	165	165	165	175.4
1975	165	165	165	165	160	160	155	155	155	155	155	150	158.8
1976	155	150	150	146	146	146	150	150	150	150	150	150	149.4
1977	150	150	150	150	150	150	145	90	120	135	135	135	138.3
1978	150	150	150	150	150	150	150	130	130	130	130	130	141.7
1979	131	132	132	132	132	132	132	125	125	125	125	125	129.0
1980	125	125	125	125	125	125	125	125	125	125	125	125	125.0
1981	125	125	125	125	125	125	125	125	125	125	125	125	125.0
1982	140	140	140	140	140	140	140	140	140	140	140	140	140.0
1983	140	144	145	145	145	145	150	152	158	158	164	165	150.9
1984	163	165	165	165	166	163	165	165	172	172	172	172	167.1
1985	170	170	170	170	177	177	178	180	184	180	175	175	175.5
1986	175	230	286	297	309	320	320	330	330	337	364	369	305.6
1987	354	359	364	385	385	345	393	399	405	417	412	413	385.9
1988	286	326	416	415	357	274	336	398	419	411	430	431	374.9
1989	417	424	438	350	362	312	427	430	443	433	425	451	409.3
1990	440	440	438	450	415	446	451	463	421	445	472	456	444.8

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	3.8	3.6	1.0	1.7	9.5	8.7	9.3	7.1	9.3	10.1	9.5	10.0	83.6
1972	10.2	10.1	9.7	9.6	10.2	9.1	9.4	9.2	9.7	9.8	10.3	10.3	117.6
1973	9.2	8.4	9.7	9.6	11.1	12.8	13.0	12.6	9.5	10.4	9.9	10.0	126.2
1974	9.7	9.6	4.6	5.0	10.2	11.9	10.8	4.6	9.6	9.7	10.1	10.0	105.8
1975	9.7	5.1	13.4	5.4	5.0	5.0	5.0	5.1	5.0	5.0	5.0	5.0	73.7
1976	5.0	5.4	5.4	5.4	5.0	9.7	5.0	5.0	10.0	8.9	5.0	5.0	74.8
1977	6.0	6.0	7.8	6.4	7.0	9.7	9.7	10.0	11.0	12.0	12.0	12.1	109.7
1978	12.3	12.0	12.0	11.8	11.0	10.6	10.0	7.9	10.2	10.0	9.6	10.0	127.4
1979	10.0	9.0	9.0	8.6	8.5	8.0	7.5	7.5	12.2	12.0	12.0	12.0	116.3
1980	12.0	11.0	10.0	9.0	9.0	12.0	7.8	12.0	12.0	11.0	11.0	11.0	127.8
1981	10.0	10.0	10.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	114.0
1982	9.0	9.0	9.0	9.0	9.0	8.7	8.7	8.7	8.7	8.7	8.7	8.7	105.9
1983	8.7	8.7	15.0	14.0	15.0	14.0	15.5	15.3	15.0	15.6	15.5	16.2	168.5
1984	16.2	15.3	16.2	16.3	16.4	14.6	15.1	15.7	15.4	16.0	16.0	16.0	189.2
1985	16.4	15.3	16.2	15.7	16.0	15.7	16.0	16.0	14.5	14.7	14.0	14.6	185.1
1986	15.5	14.5	15.5	15.0	15.4	15.1	15.6	15.6	15.2	15.2	15.2	15.5	183.3
1987	15.1	13.3	15.1	14.7	15.1	14.9	15.4	14.8	14.8	15.3	14.8	15.0	178.3
1988	15.0	14.0	15.0	14.5	15.0	14.0	14.5	14.5	14.0	14.5	14.0	14.5	173.5
1989	14.5	13.1	14.5	14.0	14.5	14.0	14.5	14.5	14.0	14.5	14.0	12.0	168.1
1990	12.0	10.8	12.0	11.6	12.0	11.6	12.0	11.9	11.6	12.0	11.8	12.2	141.5

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Colombia

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	1.03	0.86	0.41	0.86	0.42	NA	36.18
1982	1.10	0.94	1.13	0.94	0.43	NA	NA
1983	1.08	0.95	NA	0.95	0.51	NA	NA
1984	0.85	0.84	NA	0.75	0.46	NA	NA
1985	NA	NA	NA	NA	NA	NA	NA
1986	0.70	0.62	0.35	0.51	NA	NA	NA
1987	NA	NA	NA	NA	NA	NA	NA
1988	NA	NA	NA	NA	NA	NA	NA
1989	NA	NA	NA	NA	NA	NA	NA
1990	0.72	NA	NA	NA	NA	NA	NA

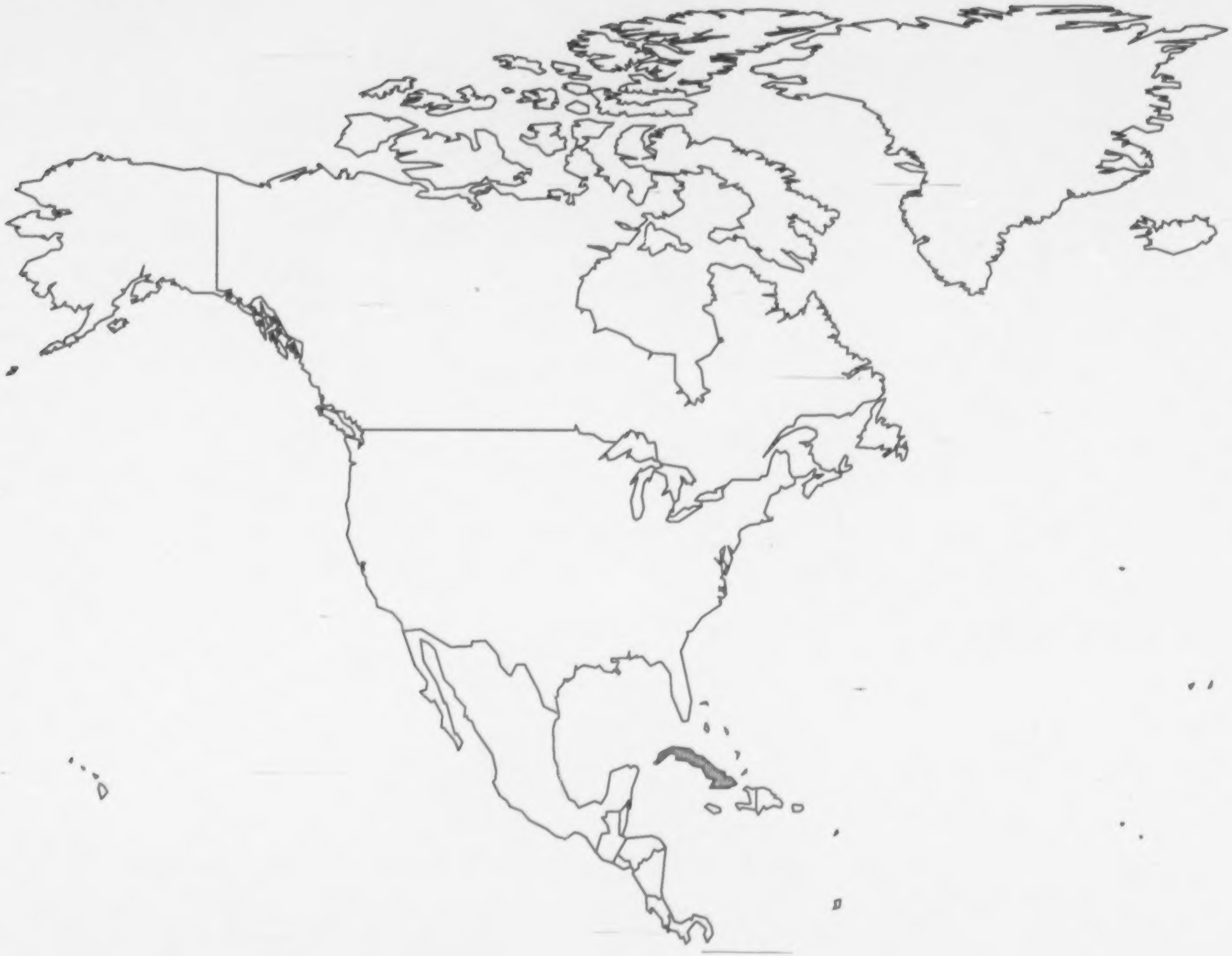
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Cuba

Size (Square Miles): 42,804
Location: Caribbean Island



Cuba

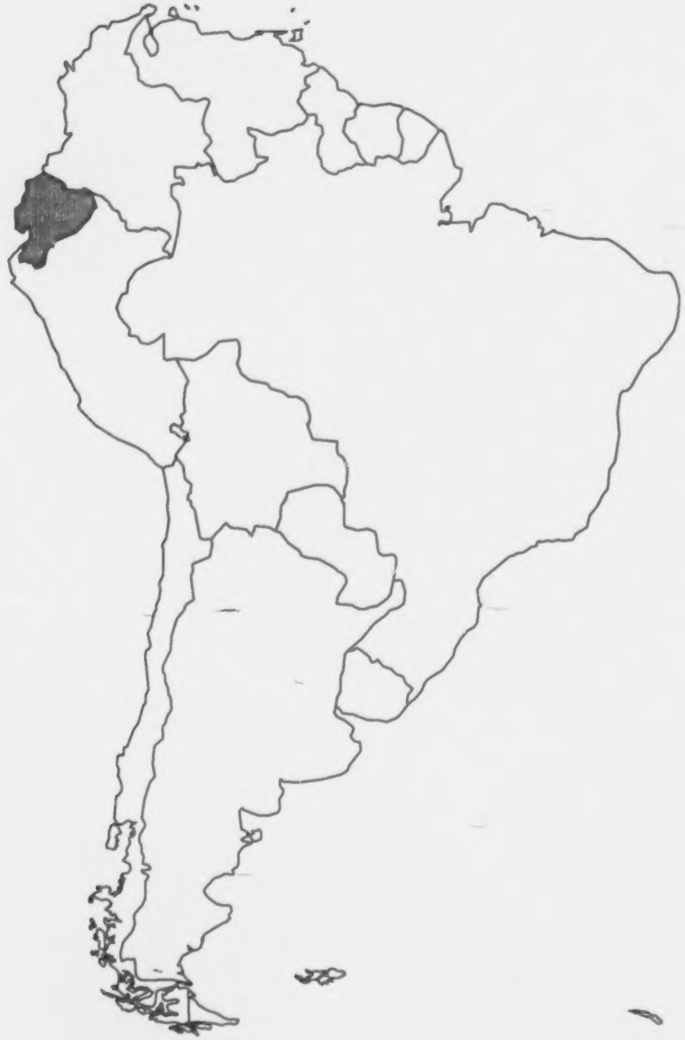
		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Energy Consumption												
Petroleum Consumption	**(Quad BTU)**	0.44	0.45	0.49	0.44	0.46	0.47	0.48	0.47	0.48	0.48	NA
Exploration, Drilling & Production												
Well Completions	**(Total)**	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat. Gas Reserves, Beginning of Year	**(bcf)**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	160	160	160	160	160	160	160	160	160	160	280
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	25	27	28	58	63	29	28	26	27	NA	NA
Middle Distillate Demand	**(000 b/d)**	38	41	45	40	41	45	46	48	49	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	100	102	115	99	100	99	106	105	109	NA	NA
Total Product Demand	**(000 b/d)**	196	207	230	231	242	217	223	219	221	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	0	0	0	15	21	20	34	29	24	NA	NA
Pet Product Exports	**(000 b/d)**	0	0	0	37	35	24	25	38	38	NA	NA
Total Pet Exports	**(000 b/d)**	0	0	0	52	56	44	59	67	62	NA	NA
Crude Oil Imports	**(000 b/d)**	124	122	120	137	144	140	158	158	159	NA	NA
Pet Product Imports	**(000 b/d)**	63	79	100	105	99	98	104	111	104	NA	NA
Total Pet Imports	**(000 b/d)**	187	201	220	242	243	238	262	269	263	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	124	122	120	122	123	120	124	129	135	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	63	79	100	68	64	74	79	73	66	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	187	201	220	190	187	194	203	202	201	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Ecuador

Size (Square Miles): 109,484
Location: South America



Ecuador

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	5,865	6,051	6,240	6,433	6,629	6,830	7,035	7,244	7,457	7,675	7,897
GNP (Mill US Dollars)	1,644	1,640	1,564	1,808	2,348	3,484	4,212	5,156	6,356	7,432	8,960
GNP per Capita (US Dollars)	280	290	290	300	370	430	540	680	790	930	1,080
Consumer Price Index (1987=100)	5.4	5.7	6.2	6.6	7.5	9.3	10.7	11.8	13.4	14.9	16.5

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	8,123	8,354	8,589	8,828	9,071	9,317	9,566	9,819	10,073	10,329
GNP (Mill US Dollars)	11,152	13,216	11,521	9,802	9,309	11,237	10,365	9,810	9,646	9,668
GNP per Capita (US Dollars)	1,260	1,490	1,490	1,320	1,160	1,170	1,140	1,060	1,090	1,020
Consumer Price Index (1987=100)	18.6	21.7	25.2	37.4	49.0	62.8	77.2	100.0	158.2	277.9

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Ecuador

Energy Consumption and Production by Source
Quadrillion BTU

Petroleum Consumption

1980	0.17
1981	0.18
1982	0.20
1983	0.18
1984	0.17
1985	0.18
1986	0.19
1987	0.18
1988	0.19
1989	0.19

Petroleum Production

1973	0.46
1974	0.38
1975	0.35
1976	0.41
1977	0.40
1978	0.44
1979	0.46
1980	0.45
1981	0.46
1982	0.46
1983	0.52
1984	0.57
1985	0.61
1986	0.64
1987	0.38
1988	0.66
1989	0.61

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Ecuador

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	3	4	6	5	4	2	3	3	6	5	2
Well Completions	(Total)	23	27	27	NA	25	22	33	30	42	29	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	1,100	1,100	850	1,400	1,675	1,400	1,650	1,672	1,615	1,350	1,514
Nat. Gas Reserves, Beginning of Year	(bcf)	4,000	4,000	4,300	4,100	3,526	3,000	4,090	4,050	4,020	4,020	3,990
Crude Oil Production	(000 b/d)	222	212	209	233	259	276	285	174	304	279	286
Nat. Gas Production	(bcf)	102	89	8	8	17	16	3	2	4	4	4
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	86	87	90	79	84	82	88	88	123	123	145
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	30	29	31	26	27	38	29	28	29	NA	NA
Middle Distillate Demand	(000 b/d)	19	19	6	23	31	26	19	23	23	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	19	24	40	20	8	28	23	19	19	NA	NA
Total Product Demand	(000 b/d)	84	88	95	85	83	115	92	90	93	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	110	128	117	126	163	169	196	123	189	NA	NA
Pet Product Exports	(000 b/d)	22	16	15	10	17	13	18	16	28	NA	NA
Total Pet Exports	(000 b/d)	132	144	132	136	180	182	214	139	217	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	30	0	NA	NA
Pet Product Imports	(000 b/d)	13	15	16	19	12	13	10	20	5	NA	NA
Total Pet Imports	(000 b/d)	13	15	16	19	12	13	10	50	5	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(110)	(128)	(117)	(126)	(163)	(169)	(196)	(93)	(189)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(9)	(1)	1	9	(5)	0	(8)	4	(23)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(119)	(129)	(116)	(117)	(168)	(169)	(204)	(89)	(212)	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Ecuador

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	2	2	3	4	4	3	4	4	4	4	5	5	4
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	3	4	4	3	4	4	4	4	5	5	4
1982													
Land	5	4	4	4	5	5	4	4	4	5	5	5	5
Offshore	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	6	5	5	5	6	6	5	5	5	6	6	6	6
1983													
Land	4	4	5	5	5	5	4	4	5	5	5	5	5
Offshore	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	4	5	5	5	5	4	4	5	5	5	5	5
1984													
Land	6	6	6	6	5	5	4	3	2	1	1	1	4
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6	6	6	6	5	5	4	3	2	1	1	1	4
1985													
Land	2	1	1	2	1	1	2	3	3	1	3	3	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	1	1	2	1	1	2	3	3	1	3	3	2
1986													
Land	4	2	2	2	2	3	1	3	2	2	4	3	3
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4	2	2	2	2	3	1	3	2	2	4	3	3
1987													
Land	2	3	1	1	3	2	4	4	4	4	5	5	3
Offshore	0	0	0	0	0	0	0	0	0	0	1	1	0
Total	2	3	1	1	3	2	4	4	4	4	6	6	3
1988													
Land	4	4	4	4	4	4	5	4	6	8	7	7	5
Offshore	2	1	1	1	1	1	0	1	0	0	0	0	1
Total	6	5	5	5	5	5	5	5	6	8	7	7	6
1989													
Land	7	7	6	6	6	3	2	5	5	6	4	3	5
Offshore	0	0	0	0	0	0	2	0	0	0	0	0	0
Total	7	7	6	6	6	3	4	5	5	6	4	3	5
1990													
Land	2	2	2	2	2	2	2	2	2	2	2	2	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	2	2	2	2	2	2	2	2	2	2

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	5	5	5	5	5	5	5	4	4	4	4	4	4.6
1971	4	4	4	4	4	4	4	4	4	4	4	4	4.0
1972	4	4	4	4	4	4	70	60	140	170	170	170	67.0
1973	220	220	220	110	150	193	210	210	210	210	210	230	199.4
1974	230	230	240	245	227	230	85	110	115	95	56	136	166.6
1975	140	178	25	208	143	140	145	193	186	181	204	192	161.3
1976	175	184	212	201	203	113	113	201	217	200	214	207	186.7
1977	217	207	157	176	178	198	154	186	141	175	175	199	180.3
1978	175	169	192	227	205	203	227	180	205	207	226	207	201.9
1979	247	235	233	223	230	230	180	220	220	220	220	210	222.3
1980	232	230	188	250	230	230	220	240	180	230	225	210	222.1
1981	218	223	218	203	203	208	200	221	214	220	210	200	211.5
1982	200	210	212	190	200	210	220	215	203	220	220	210	209.2
1983	210	225	225	228	228	220	237	245	243	245	245	245	233.0
1984	249	250	250	259	259	259	262	260	260	266	266	265	258.8
1985	260	277	277	256	289	268	250	280	280	280	290	301	275.7
1986	300	297	311	300	300	300	299	303	190	270	270	280	285.0
1987	280	284	40	3	35	47	49	180	240	309	310	310	173.9
1988	309	310	313	318	302	313	303	306	298	292	292	291	303.9
1989	291	290	281	282	258	274	285	282	264	282	283	280	279.3
1990	278	282	280	284	284	280	286	289	290	291	293	293	285.8

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	0.1	0.2	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.4	0.5	0.1	3.2
1972	0.1	0.1	0.1	0.4	0.6	0.1	0.5	0.4	0.5	0.4	0.4	0.4	4.0
1973	0.3	0.8	0.5	0.4	0.5	0.8	0.7	0.6	0.5	0.4	0.5	0.4	6.4
1974	0.4	0.3	0.2	0.3	0.4	0.5	0.7	0.8	0.8	0.4	0.3	0.2	5.3
1975	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	1.0	1.2	1.0	1.2	6.0
1976	1.1	1.2	1.4	1.2	1.1	1.2	1.4	1.2	1.0	1.2	1.4	1.4	14.8
1977	2.0	2.0	1.8	1.2	1.0	1.1	1.2	2.1	2.0	2.6	2.0	2.0	21.0
1978	2.1	2.0	2.4	3.0	4.2	4.0	4.0	3.6	20.0	19.6	18.0	17.0	99.9
1979	16.0	15.1	16.1	16.0	15.0	14.0	11.9	11.9	10.4	11.0	11.0	11.0	159.4
1980	11.0	10.0	9.0	8.0	8.0	8.0	7.8	8.0	8.0	8.0	8.0	8.0	101.8
1981	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0	7.0	7.0	7.0	6.0	89.0
1982	6.0	0.1	0.1	0.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	8.2
1983	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.2	1.4	1.4	1.4	1.4	8.2
1984	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	16.8
1985	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.2	15.6
1986	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	2.6
1987	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.3	2.3
1988	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	3.5
1989	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.6
1990	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.6

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Ecuador

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	0.80	0.44	0.40	0.24	0.86	NA	11.76
1982	NA	NA	NA	NA	NA	NA	NA
1983	1.21	0.33	NA	0.18	0.65	NA	8.91
1984	0.73	0.35	NA	0.22	0.40	NA	9.24
1985	0.97	0.60	NA	0.21	0.32	NA	15.62
1986	0.67	0.41	NA	0.14	0.25	NA	10.76
1987	0.44	0.27	NA	0.10	0.15	31.92	20.65
1988	NA	NA	NA	NA	NA	NA	NA
1989	0.52	0.37	NA	0.06	0.11	15.54	11.78
1990	1.80	1.30	1.30	0.30	0.20	54.60	54.60

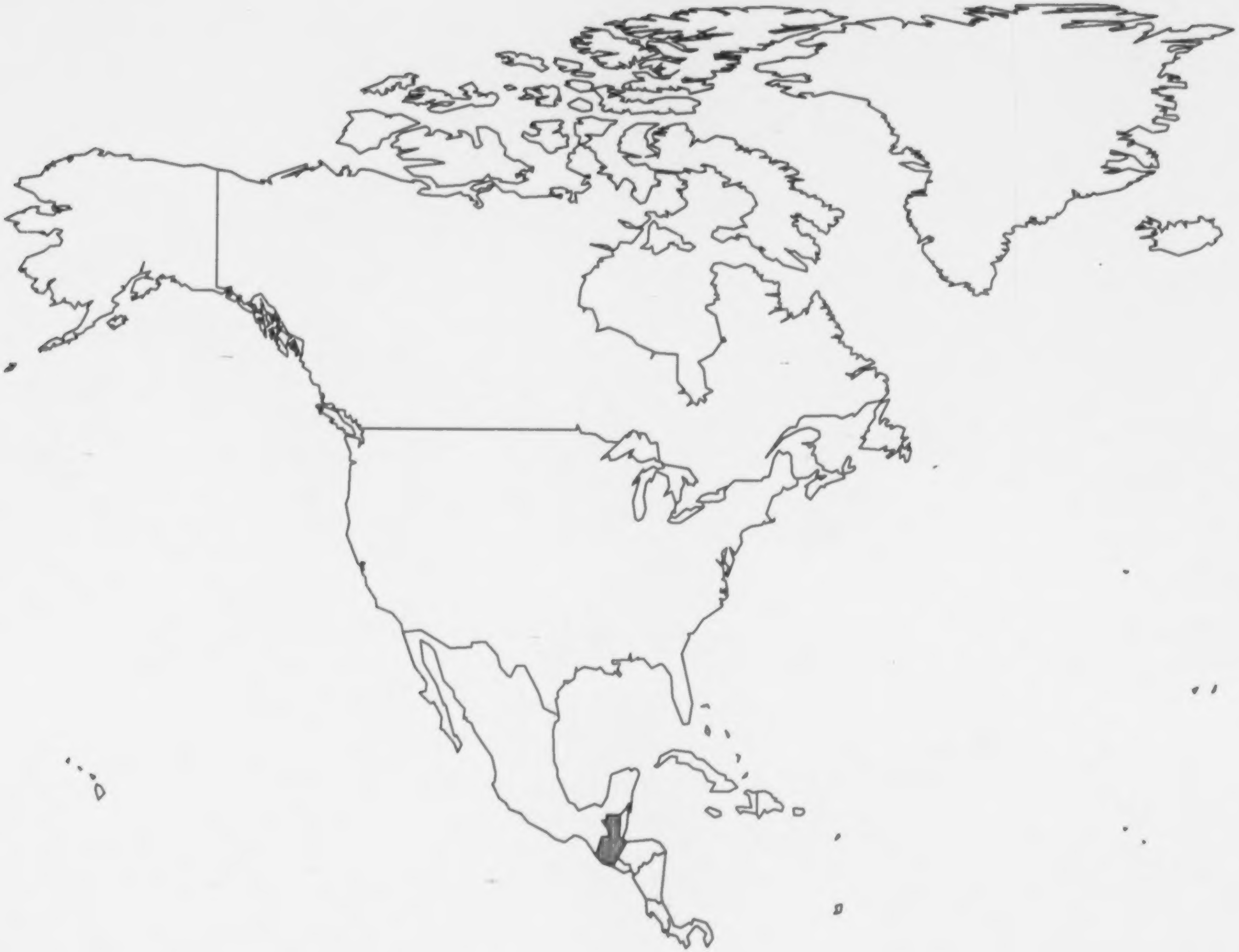
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Guatemala

Size (Square Miles): 42,042
Location: Central America



Guatemala

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	5,103	5,246	5,393	5,544	5,699	5,858	6,022	6,190	6,364	6,542	6,726
GNP (Mill US Dollars)	1,678	1,862	1,941	2,054	2,521	3,112	3,577	4,292	5,448	6,044	6,890
GNP per Capita (US Dollars)	340	360	380	390	430	500	570	660	790	900	1,030
Consumer Price Index (1987=100)	17.8	18.2	18.1	18.2	20.7	24.1	27.3	30.2	33.9	36.7	40.9

										Estimate
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Population (Thousands)	6,916	7,112	7,314	7,523	7,739	7,963	8,195	8,436	8,686	8,946
GNP (Mill US Dollars)	7,808	8,505	8,596	8,937	9,267	9,536	7,033	6,868	7,871	7,971
GNP per Capita (US Dollars)	1,120	1,200	1,190	1,170	1,180	1,200	1,050	950	900	910
Consumer Price Index (1987=100)	45.3	50.5	50.7	53.0	54.8	65.0	89.0	100.0	110.8	123.5

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Guatemala

Energy Consumption		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Petroleum Consumption	(Quad BTU)	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	NA
Exploration, Drilling & Production												
Well Completions	(Total)	NA	NA	NA	NA	NA	NA	4	1	2	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	16	20	55	50	48	500	50	23	42	81	42
Nat. Gas Reserves, Beginning of Year	(bcf)	NA	10	40	35	33	30	30	30	20	20	10
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	16	16	16	16	16	16	16	16	16	16	16
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	NA	6	5	5	6	6	5	6	7	NA	NA
Middle Distillate Demand	(000 b/d)	NA	9	10	10	8	10	10	9	10	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	NA	12	6	6	5	5	3	3	3	NA	NA
Total Product Demand	(000 b/d)	NA	31	25	26	23	26	23	23	25	NA	NA

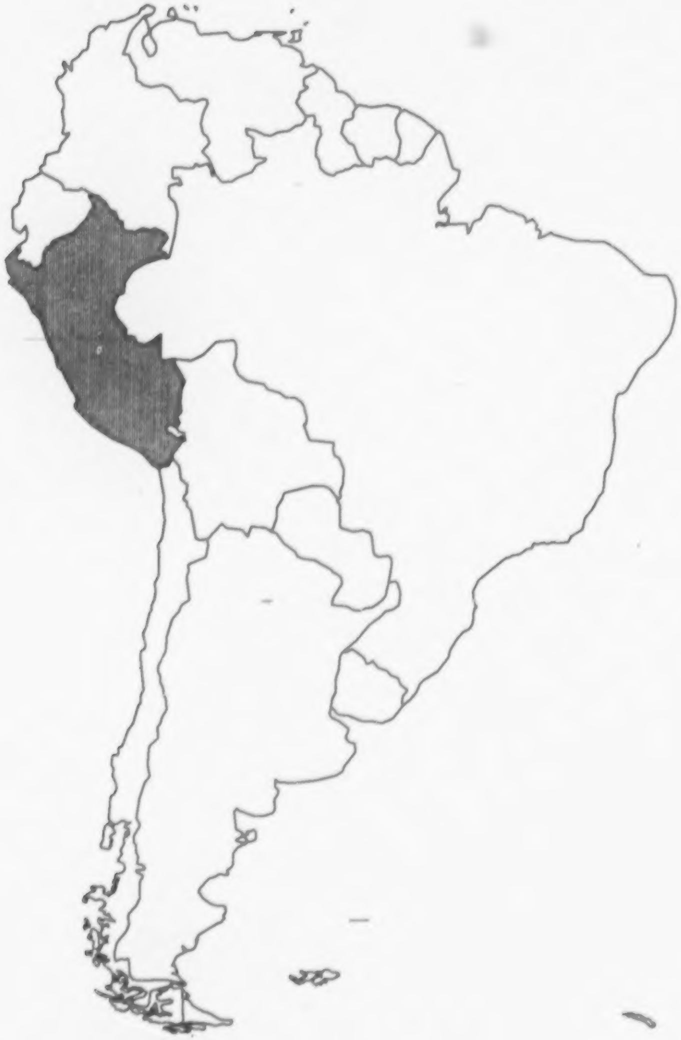
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Notes

Peru

Size (Square Miles): 496,225
Location: South America



Peru

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	12,828	13,193	13,568	13,952	14,347	14,750	15,161	15,580	16,008	16,440	16,870
GNP (Mill US Dollars)	6,072	7,106	7,984	8,837	10,543	13,333	16,222	15,160	13,126	11,538	14,667
GNP per Capita (US Dollars)	490	520	580	620	700	850	1,000	1,040	970	840	850
Consumer Price Index (1987=100)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.6

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	17,295	17,716	18,134	18,550	18,965	19,383	19,806	20,237	20,681	21,142
GNP (Mill US Dollars)	19,723	24,171	24,785	19,018	18,449	15,726	23,092	26,216	17,681	27,084
GNP per Capita (US Dollars)	990	1,240	1,380	1,150	1,120	980	1,080	1,170	1,040	1,010
Consumer Price Index (1987=100)	0.9	1.6	2.6	5.5	11.5	30.2	53.8	100.0	767.0	26,835.3

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Peru

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Hydroelectric Power	Primary Energy
1980	0.28	0.07	0.35
1981	0.29	0.08	0.37
1982	0.28	0.09	0.37
1983	0.26	0.08	0.34
1984	0.27	0.09	0.36
1985	0.26	0.10	0.36
1986	0.28	0.10	0.38
1987	0.29	0.11	0.40
1988	0.30	0.11	0.41
1989	0.27	0.08	0.35

Production

	Petroleum	Hydroelectric Power	Primary Energy
1973	0.16	0.05	0.21
1974	0.17	0.05	0.22
1975	0.15	0.06	0.21
1976	0.17	0.06	0.23
1977	0.22	0.06	0.28
1978	0.32	0.06	0.38
1979	0.42	0.07	0.49
1980	0.43	0.07	0.50
1981	0.42	0.08	0.50
1982	0.43	0.09	0.52
1983	0.36	0.08	0.44
1984	0.39	0.09	0.48
1985	0.40	0.10	0.50
1986	0.38	0.10	0.48
1987	0.35	0.11	0.46
1988	0.30	0.11	0.41
1989	0.28	0.08	0.36

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Peru

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	21	24	23	16	17	12	13	15	11	10	6
Well Completions	(Total)	540	426	149	NA	150	160	148	152	118	86	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	655	650	801	835	775	670	636	546	512	457	412
Nat. Gas Reserves, Beginning of Year	(bcf)	1,100	1,100	1,202	1,201	1,150	1,100	852	850	650	623	650
Crude Oil Production	(000 b/d)	192	194	196	171	184	188	178	164	142	130	128
Nat. Gas Production	(bcf)	40	25	30	34	35	44	45	46	46	46	46
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	170	169	162	168	169	176	176	176	182	172	172
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	26	30	28	31	36	31	29	30	30	NA	NA
Middle Distillate Demand	(000 b/d)	29	32	29	32	22	29	31	34	36	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	40	37	24	35	37	44	36	33	33	NA	NA
Total Product Demand	(000 b/d)	129	137	119	139	143	150	135	138	141	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	57	55	42	22	20	24	13	3	5	NA	NA
Pet Product Exports	(000 b/d)	20	21	20	34	39	19	47	46	37	NA	NA
Total Pet Exports	(000 b/d)	77	76	62	56	59	43	60	49	42	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	6	24	NA	NA
Pet Product Imports	(000 b/d)	1	1	2	6	2	2	4	11	14	NA	NA
Total Pet Imports	(000 b/d)	1	1	2	6	2	2	4	17	38	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(57)	(55)	(42)	(22)	(20)	(24)	(13)	3	19	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(19)	(20)	(18)	(28)	(37)	(17)	(43)	(35)	(23)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(76)	(75)	(60)	(50)	(57)	(41)	(56)	(32)	(4)	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Peru

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	17	17	17	18	18	18	18	21	21	21	21	21	19
Offshore	5	5	5	5	5	5	6	6	6	6	5	5	5
Total	22	22	22	23	23	23	24	27	27	27	26	26	24
1982													
Land	20	20	21	21	20	19	18	16	16	15	15	13	18
Offshore	5	5	5	5	6	6	6	6	6	6	6	5	6
Total	25	25	26	26	26	25	24	22	22	21	21	18	24
1983													
Land	13	8	9	8	9	10	11	13	10	10	10	10	10
Offshore	5	5	6	6	6	6	6	6	6	6	6	6	6
Total	18	13	15	14	15	16	17	19	16	16	16	16	16
1984													
Land	10	10	10	10	12	11	11	11	9	9	9	9	10
Offshore	6	6	6	6	7	7	7	7	7	7	7	7	7
Total	16	16	16	16	19	18	18	18	16	16	16	16	17
1985													
Land	10	10	8	8	8	7	7	6	6	6	6	7	7
Offshore	6	5	4	5	5	4	4	4	4	4	4	3	4
Total	16	15	12	13	13	11	11	10	10	10	10	10	11
1986													
Land	7	6	7	7	8	9	9	12	12	13	13	13	10
Offshore	3	3	3	3	4	4	4	4	4	4	4	5	4
Total	10	9	10	10	12	13	13	16	16	17	17	18	14
1987													
Land	12	13	13	13	13	12	10	8	7	9	9	8	11
Offshore	5	5	5	5	6	4	4	3	3	3	3	4	4
Total	17	18	18	18	19	16	14	11	10	12	12	12	15
1988													
Land	7	7	7	6	6	6	6	7	6	5	5	7	6
Offshore	3	3	3	5	5	5	5	5	5	5	5	5	5
Total	10	10	10	11	11	11	11	12	11	10	10	12	11
1989													
Land	6	7	6	7	7	5	4	5	6	5	5	4	6
Offshore	4	4	4	4	4	4	3	4	4	4	4	5	4
Total	10	11	10	11	11	9	7	9	10	9	9	9	10
1990													
Land	2	2	2	2	2	2	2	4	9	3	3	4	3
Offshore	4	4	4	3	3	3	2	0	2	2	2	0	2
Total	6	6	6	5	5	5	4	4	11	5	5	4	5

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	60	60	60	60	60	60	50	72	73	71	71	71	64.0
1971	63	71	63	63	63	61	61	61	61	61	61	61	62.5
1972	60	60	60	60	60	60	60	70	70	70	70	70	64.2
1973	70	70	65	70	70	70	67	67	67	73	74	74	69.8
1974	75	75	75	75	75	75	75	75	75	75	75	75	75.0
1975	75	75	75	75	70	70	75	75	75	75	75	75	74.2
1976	75	75	75	75	75	75	75	75	75	75	75	75	75.0
1977	80	80	80	80	80	75	85	100	100	100	100	100	88.3
1978	100	100	130	150	165	180	160	170	180	180	180	180	156.3
1979	180	180	180	180	180	190	180	205	205	192	205	205	190.2
1980	205	187	190	190	190	190	190	190	190	190	190	197	191.6
1981	188	191	189	184	195	199	200	201	193	190	197	195	193.5
1982	200	199	180	190	197	191	193	203	208	205	194	190	195.8
1983	154	180	171	167	164	165	168	175	175	175	176	176	170.5
1984	181	180	180	177	185	185	185	186	188	188	185	185	183.8
1985	190	190	187	191	190	198	199	190	188	185	185	168	188.4
1986	172	182	183	182	179	180	174	175	175	177	177	175	177.6
1987	175	177	177	173	167	164	162	161	161	151	148	151	163.9
1988	154	152	147	144	144	135	134	134	134	143	146	135	141.8
1989	143	142	141	123	103	116	129	131	140	141	145	105	129.9
1990	117	133	133	138	133	134	129	128	128	123	118	119	127.8

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.6
1972	0.0	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.2	1.1
1973	0.1	5.6	4.2	4.2	4.0	6.1	7.2	7.1	7.0	6.7	6.6	7.1	65.9
1974	7.1	8.1	7.9	3.5	3.8	4.9	6.1	6.4	6.4	6.6	6.5	6.0	73.3
1975	7.1	7.0	6.8	2.6	3.0	2.6	2.8	3.0	2.8	3.0	2.0	1.8	44.5
1976	1.2	1.3	1.5	1.2	1.0	1.0	1.2	1.0	2.0	4.1	5.0	5.0	25.5
1977	5.0	5.0	4.2	4.0	4.0	3.1	4.1	4.0	6.1	7.0	6.8	6.0	59.3
1978	6.1	6.0	6.8	6.4	6.0	5.8	6.0	5.4	5.4	4.9	4.0	3.6	66.4
1979	4.0	3.0	3.0	3.0	2.8	3.0	3.0	3.0	4.4	4.0	4.0	4.0	41.2
1980	4.0	4.0	4.0	3.8	4.0	2.6	3.0	3.0	3.0	3.0	3.0	3.0	40.4
1981	2.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24.8
1982	2.0	2.0	2.0	2.0	2.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	29.6
1983	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	33.6
1984	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.7	3.7	35.4
1985	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	44.4
1986	3.8	3.4	3.8	3.7	3.8	3.7	3.8	3.8	3.7	3.8	3.8	3.9	45.0
1987	3.9	3.5	3.9	3.8	3.9	3.8	3.9	3.9	3.8	3.9	3.8	3.9	46.0
1988	3.9	3.6	3.9	3.8	3.9	3.8	3.9	3.9	3.8	3.9	3.8	3.9	46.1
1989	3.9	3.5	3.9	3.8	3.9	3.8	3.9	3.9	3.8	3.9	3.8	3.9	46.0
1990	3.9	3.5	3.9	3.8	3.9	3.8	3.9	3.9	3.8	3.9	3.8	3.9	46.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Peru

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	0.84	0.37	0.08	0.33	NA	10.41
1982	1.13	0.65	0.19	NA	NA	NA
1983	1.21	0.79	0.35	0.60	NA	29.43
1984	1.09	0.66	0.40	0.58	NA	26.54
1985	1.12	0.72	0.43	0.48	NA	26.04
1986	1.50	1.07	0.27	0.58	43.88	37.20
1987	1.50	0.92	0.24	0.38	39.32	33.56
1988	1.02	0.38	0.11	0.16	16.67	13.62
1989	1.28	0.39	0.44	0.33	15.78	11.28
1990	2.00	0.39	0.21	0.33	19.74	12.09

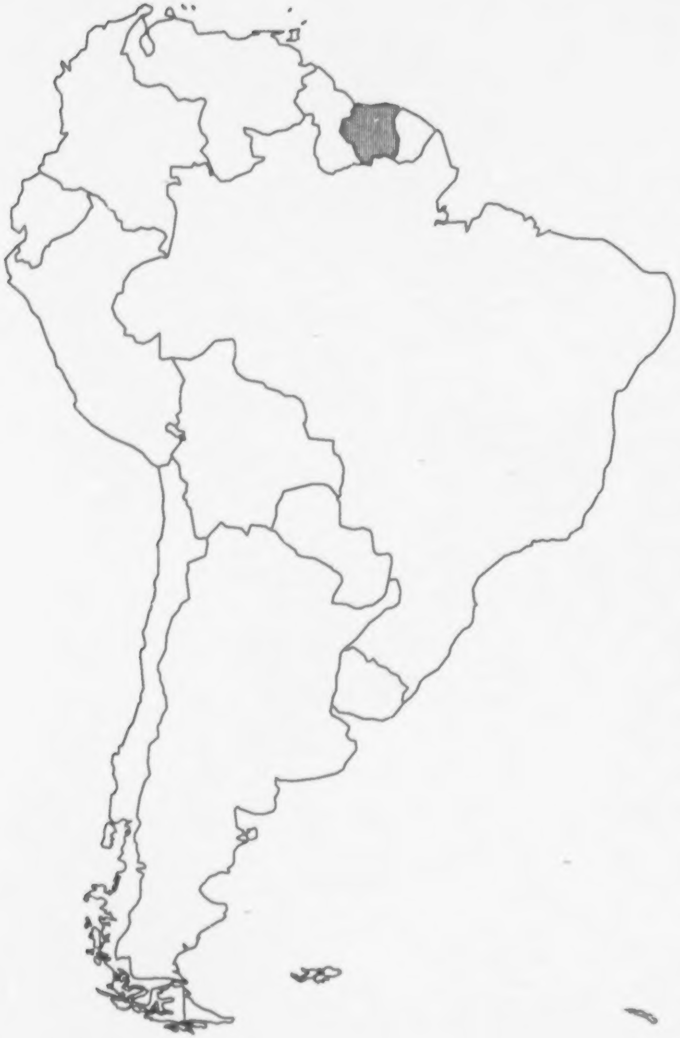
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Suriname

Size (Square Miles): 63,251
Location: South America



Suriname

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	364,372	372	378	382	384	381	365	354	362	367	365
GNP (Mill US Dollars)	205	221	241	276	304	389	511	531	686	796	838
GNP per Capita (US Dollars)	570	610	640	690	770	2,520	340	370	1,770	2,100	2,100
Consumer Price Index (1987=100)	15.0	15.4	15.4	15.9	18.0	21.0	22.8	25.1	27.5	29.9	34.4

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	356	356	366	376	387	398	409	418	427	436
GNP (Mill US Dollars)	883	1,023	1,046	992	954	946	1,005	1,075	1,231	1,323
GNP per Capita (US Dollars)	2,420	2,950	2,840	2,580	2,500	2,450	2,380	2,260	2,600	3,020
Consumer Price Index (1987=100)	39.2	42.8	45.9	47.9	49.7	55.3	65.2	100.0	NA	NA

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Suriname

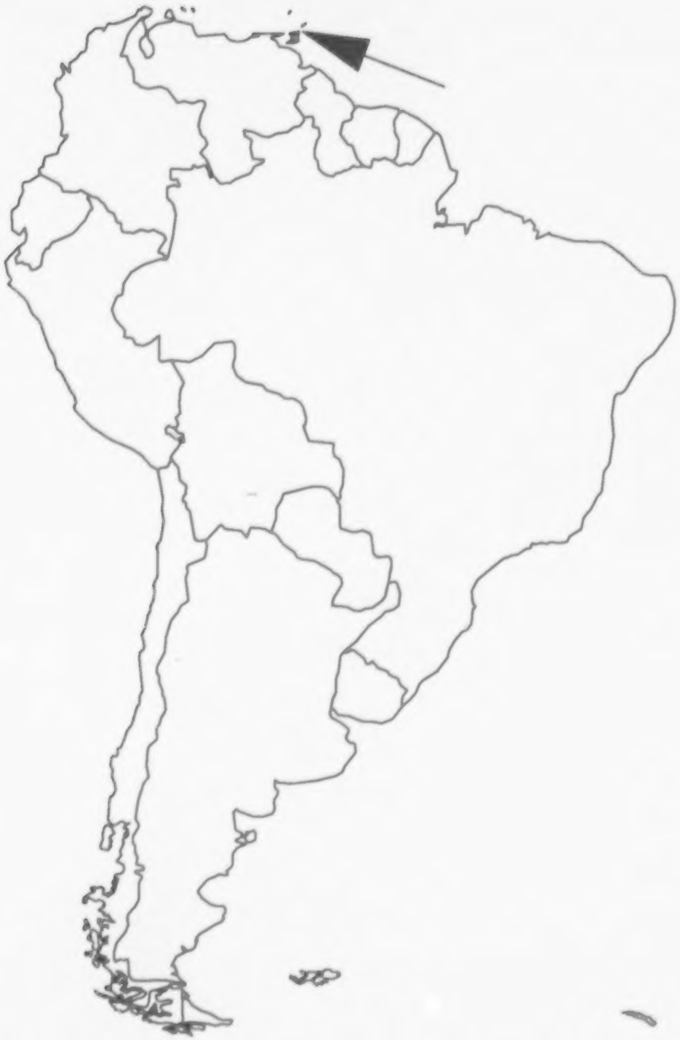
Exploration, Drilling & Production		**1984**	**1985**	**1986**	**1987**	**1988**	**1989**	**1990**
Well Completions	**(Total)**	15	12	46	35	57	59	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	NA	NA	1	1	27	29	28

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Oil & Gas Journal

Notes

Trinidad and Tobago

Size (Square Miles): 1,980
Location: Caribbean Islands



Trinidad and Tobago

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	959	971	979	986	994	1,003	1,012	1,023	1,036	1,050	1,066
GNP (Mill US Dollars)	708	757	832	1,013	1,216	1,760	2,359	2,388	2,945	3,485	4,350
GNP per Capita (US Dollars)	790	810	840	960	1,100	1,340	1,920	2,440	2,770	3,310	3,740
Consumer Price Index (1987=100)	13.4	13.7	14.2	15.5	17.8	21.7	25.4	28.2	31.5	34.7	39.8

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	1,082	1,099	1,118	1,137	1,157	1,178	1,199	1,220	1,241	1,261
GNP (Mill US Dollars)	5,925	6,645	8,056	7,818	7,618	6,909	4,556	4,505	4,142	3,735
GNP per Capita (US Dollars)	4,690	5,890	6,630	6,400	6,400	5,940	4,970	4,060	3,410	3,230
Consumer Price Index (1987=100)	46.8	53.5	59.7	68.7	77.9	83.8	90.3	100.0	107.8	120.1

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Trinidad & Tobago

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Primary Energy
1980	0.09	0.09	0.18
1981	0.08	0.09	0.17
1982	0.06	0.10	0.16
1983	0.05	0.10	0.15
1984	0.05	0.20	0.25
1985	0.05	0.23	0.28
1986	0.05	0.16	0.21
1987	0.04	0.15	0.19
1988	0.04	0.16	0.20
1989	0.04	0.17	0.21

Production

	Petroleum	Natural Gas	Primary Energy
1973	0.36	0.07	0.43
1974	0.41	0.06	0.47
1975	0.45	0.05	0.50
1976	0.50	0.07	0.57
1977	0.51	0.08	0.59
1978	0.51	0.10	0.61
1979	0.48	0.13	0.61
1980	0.47	0.08	0.55
1981	0.53	0.08	0.61
1982	0.40	0.11	0.51
1983	0.35	0.13	0.48
1984	0.37	0.20	0.57
1985	0.38	0.23	0.61
1986	0.37	0.16	0.53
1987	0.35	0.15	0.50
1988	0.35	0.16	0.51
1989	0.34	0.17	0.51

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Trinidad & Tobago

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs (Trinidad)	**(Number)**	13	14	13	10	9	10	11	9	7	6	8
Well Completions (Trinidad)	**(Total)**	218	243	200	NA	151	197	162	142	142	85	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	700	700	600	580	630	540	540	610	567	528	521
Nat. Gas Reserves, Beginning of Year	**(bcf)**	8,000	1,200	10,800	11,000	13,100	10,550	10,500	10,400	10,390	10,500	9,968
Crude Oil Production (Trinidad)	**(000 b/d)**	216	240	181	162	170	176	167	161	151	153	150
Nat. Gas Production (Trinidad)	**(bcf)**	189	192	130	103	122	115	121	133	150	176	178
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	19	20	6	18	13	14	16	9	9	NA	NA
Middle Distillate Demand	**(000 b/d)**	9	4	4	7	5	4	3	3	2	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	8	2	14	13	10	10	11	2	2	NA	NA
Total Product Demand	**(000 b/d)**	61	45	40	48	41	45	40	21	18	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	136	121	89	94	87	98	93	78	74	NA	NA
Pet Product Exports	**(000 b/d)**	175	131	135	75	76	59	69	73	75	NA	NA
Total Pet Exports	**(000 b/d)**	311	252	224	169	163	157	162	151	149	NA	NA
Crude Oil Imports	**(000 b/d)**	144	105	73	110	105	33	26	5	10	NA	NA
Pet Product Imports	**(000 b/d)**	1	1	*	*	4	3	5	3	4	NA	NA
Total Pet Imports	**(000 b/d)**	145	106	73	110	109	36	31	8	14	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	8	(16)	(16)	16	18	(65)	(67)	(73)	(64)	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	(174)	(130)	(135)	(75)	(72)	(56)	(64)	(70)	(71)	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	(166)	(146)	(151)	(59)	(54)	(121)	(131)	(143)	(135)	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Trinidad

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	8	8	8	8	8	8	8	7	8	8	8	8	8
Offshore	6	6	6	6	6	6	7	8	7	7	6	6	6
Total	14	14	14	14	14	14	15	15	15	15	14	14	14
1982													
Land	8	8	7	7	7	8	8	9	9	8	8	5	8
Offshore	7	7	6	6	6	6	6	5	6	4	5	5	6
Total	15	15	13	13	13	14	14	14	15	12	13	10	14
1983													
Land	6	7	7	7	7	5	5	5	5	5	4	5	6
Offshore	5	5	4	5	4	3	3	3	4	4	4	5	4
Total	11	12	11	12	11	8	8	8	9	9	8	10	10
1984													
Land	6	5	5	6	5	5	5	5	6	6	6	6	6
Offshore	4	4	4	4	4	4	4	2	2	2	2	2	3
Total	10	9	9	10	9	9	9	7	8	8	8	8	9
1985													
Land	7	8	9	6	7	4	8	8	8	8	7	7	7
Offshore	2	2	3	4	3	5	4	2	3	2	2	2	3
Total	9	10	12	10	10	9	12	10	11	10	9	9	10
1986													
Land	5	8	7	7	7	7	5	8	8	7	7	7	7
Offshore	1	4	3	4	4	4	5	4	4	4	4	4	4
Total	6	12	10	11	11	11	10	12	12	11	11	11	11
1987													
Land	7	7	5	4	5	5	4	4	5	5	5	4	5
Offshore	4	4	4	4	4	4	3	3	3	3	3	3	4
Total	11	11	9	8	9	9	7	7	8	8	8	7	9
1988													
Land	4	4	4	4	4	4	3	2	3	2	2	2	3
Offshore	4	4	4	4	4	4	4	4	4	4	4	4	4
Total	8	8	8	8	8	8	7	6	7	6	6	6	7
1989													
Land	2	2	2	2	2	2	2	2	2	2	2	2	2
Offshore	4	4	4	4	4	3	3	5	5	5	4	5	4
Total	6	6	6	6	6	5	5	7	7	7	6	7	6
1990													
Land	3	3	3	3	2	4	4	3	4	3	3	2	3
Offshore	6	6	6	6	6	4	4	2	4	5	3	3	5
Total	9	9	9	9	8	8	8	5	8	8	6	5	8

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Trinidad

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	170	150	150	150	150	150	145	140	140	140	140	140	147.1
1971	140	140	140	140	140	140	140	140	140	140	135	135	139.2
1972	135	135	135	135	135	160	160	160	160	160	160	160	149.6
1973	165	165	165	165	165	165	165	165	165	160	165	165	164.6
1974	165	165	170	170	170	170	170	180	180	180	180	180	173.3
1975	180	195	195	200	200	200	200	210	210	210	181	185	197.2
1976	185	185	185	185	185	185	225	225	225	225	225	225	205.0
1977	230	230	230	230	230	235	235	230	230	230	230	230	230.8
1978	240	240	240	240	240	240	240	240	230	230	230	200	234.2
1979	200	200	200	200	200	227	227	227	215	215	215	215	211.8
1980	212	214	215	215	215	215	218	213	210	210	210	240	215.6
1981	240	240	240	240	240	240	240	240	240	240	240	240	240.0
1982	181	181	181	181	181	181	181	181	181	181	181	181	181.0
1983	180	180	160	160	160	160	157	155	157	157	160	160	162.2
1984	160	160	160	164	166	169	169	174	176	178	179	180	169.6
1985	179	174	176	180	180	180	178	181	179	173	167	170	176.4
1986	166	170	170	164	164	167	165	172	168	169	169	165	167.4
1987	165	165	165	160	165	156	155	165	165	165	150	150	160.5
1988	146	147	148	148	149	148	153	152	154	154	154	155	150.7
1989	155	155	155	151	150	146	155	155	155	155	150	150	152.7
1990	150	150	150	150	150	150	150	150	150	150	150	150	150.0

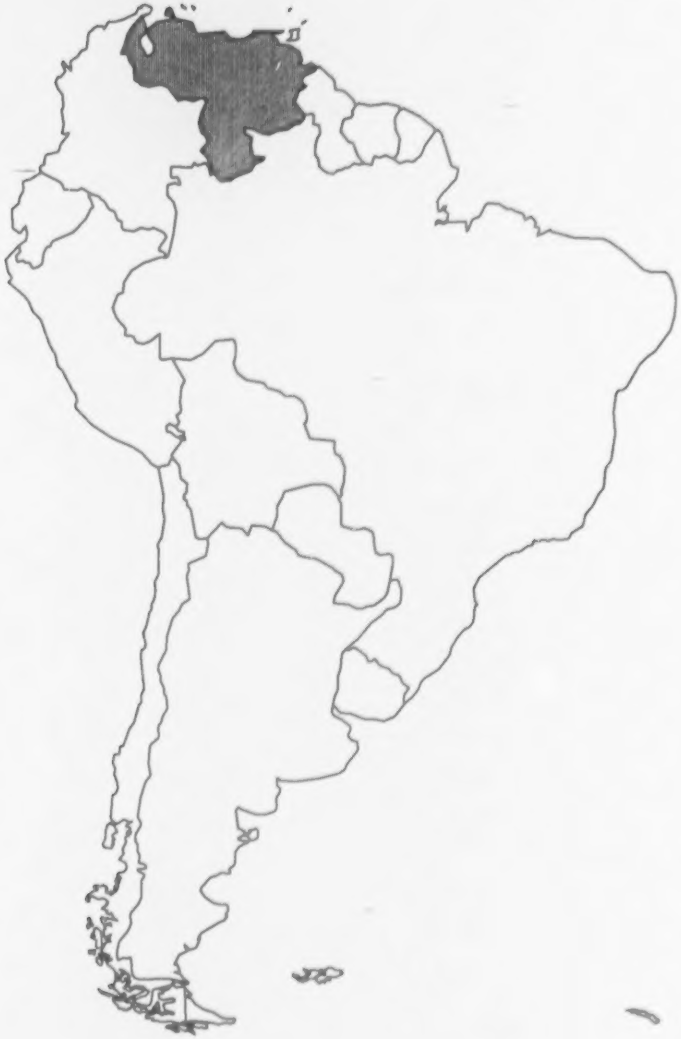
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	9.1	9.1	10.4	11.2	9.9	8.9	10.1	9.9	9.9	9.7	9.0	10.2	117.4
1972	10.2	10.4	10.0	9.9	10.8	12.0	11.3	12.0	9.2	10.0	10.1	9.3	125.2
1973	10.1	9.3	10.1	10.1	12.1	13.6	14.9	13.6	9.2	11.2	12.1	11.1	137.4
1974	11.2	4.8	4.8	4.9	2.4	4.8	5.2	4.7	9.9	5.0	4.8	2.5	65.0
1975	4.6	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.5	4.6	50.8
1976	4.6	4.3	4.3	4.3	4.2	10.7	4.2	4.3	10.5	14.1	10.2	10.1	85.8
1977	10.3	10.1	14.2	14.2	12.8	11.6	12.0	13.0	12.9	13.0	12.9	13.0	150.0
1978	12.0	14.2	14.0	14.0	14.0	14.0	14.0	12.8	12.8	13.0	11.1	14.0	159.9
1979	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.2	14.0	12.8	12.6	164.6
1980	15.0	15.0	15.0	16.0	16.0	16.0	16.0	15.6	16.0	16.0	16.0	16.0	188.6
1981	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	192.0
1982	16.0	16.0	16.0	16.0	16.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	129.7
1983	6.9	6.5	8.0	7.0	8.0	7.0	9.6	9.6	10.3	10.7	10.3	9.1	103.0
1984	10.3	9.3	11.1	10.1	10.4	10.0	10.5	9.8	10.4	10.1	9.4	10.5	121.9
1985	9.8	8.9	7.5	9.5	9.8	9.4	9.9	9.6	10.0	9.8	10.1	10.4	114.7
1986	9.8	9.8	9.8	9.8	9.8	8.9	9.2	10.4	12.3	11.8	10.3	9.4	121.3
1987	10.0	9.0	10.9	11.0	11.4	11.0	11.5	11.5	11.5	11.5	11.5	11.9	132.7
1988	11.9	10.5	10.3	11.0	13.0	12.6	13.0	13.0	12.6	13.4	14.7	14.2	150.2
1989	14.2	14.0	14.5	14.0	15.4	14.6	15.1	15.1	14.6	15.1	14.6	15.1	176.3
1990	15.1	13.6	15.1	14.6	15.1	14.6	15.1	15.1	14.6	15.1	14.6	15.1	177.7

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Venezuela

Size (Square Miles): 352,145
Location: South America



Venezuela

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	10,246	10,604	10,981	11,377	11,791	12,221	12,665	13,121	13,588	14,063	14,542
GNP (Mill US Dollars)	11,573	12,729	14,007	15,964	19,433	29,430	32,603	37,681	43,869	48,103	57,667
GNP per Capita (US Dollars)	1,160	1,240	1,260	1,340	1,540	1,920	2,380	2,890	3,160	3,390	3,730
Consumer Price Index (1987=100)	18.0	18.5	19.1	19.6	20.4	22.1	24.4	26.2	28.3	30.3	34.1

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	15,024	15,485	15,940	16,394	16,851	17,317	17,791	18,272	18,751	19,244
GNP (Mill US Dollars)	69,746	78,648	77,781	79,070	57,818	59,828	59,071	46,655	58,655	41,462
GNP per Capita (US Dollars)	4,070	4,730	4,920	4,790	4,250	3,830	3,570	3,180	3,130	2,450
Consumer Price Index (1987=100)	41.4	48.1	52.7	56.0	62.8	70.0	78.1	100.0	129.5	238.5

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Venezuela

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Hydroelectric Power	Primary Energy
1980	0.81	0.59	0.15	1.56
1981	0.88	0.65	0.16	1.69
1982	0.86	0.67	0.16	1.70
1983	0.80	0.65	0.19	1.65
1984	0.78	0.69	0.20	1.68
1985	0.77	0.70	0.22	1.70
1986	0.81	0.77	0.26	1.85
1987	0.81	0.75	0.28	1.85
1988	0.80	0.79	0.31	1.90
1989	0.78	0.82	0.31	1.91

Production

	Petroleum	Natural Gas	Hydroelectric Power	Primary Energy
1973	7.61	0.46	0.06	8.13
1974	6.73	0.48	0.07	7.29
1975	5.32	0.48	0.09	5.89
1976	5.22	0.46	0.11	5.79
1977	5.12	0.44	0.12	5.69
1978	4.93	0.46	0.13	5.52
1979	5.37	0.52	0.14	6.04
1980	5.00	0.56	0.15	5.71
1981	4.82	0.59	0.16	5.58
1982	4.37	0.68	0.16	5.22
1983	4.16	0.66	0.19	5.00
1984	4.13	0.69	0.20	5.02
1985	3.86	0.70	0.22	4.78
1986	4.15	0.77	0.26	5.18
1987	4.06	0.75	0.28	5.10
1988	4.42	0.79	0.31	5.53
1989	4.44	0.82	0.31	5.58

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Venezuela

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	52	63	69	41	30	33	29	18	25	28	32
Well Completions	(Total)	1,275	1,491	1,500	NA	406	361	254	177	235	181	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	17,870	17,950	20,300	21,500	24,850	25,845	25,591	25,000	56,300	58,084	58,504
Nat. Gas Reserves, Beginning of Year	(bcf)	42,800	42,000	47,000	54,079	54,546	55,367	59,067	59,000	95,000	102,243	100,846
Crude Oil Production	(000 b/d)	2,157	2,109	1,889	1,776	1,710	1,646	1,636	1,581	1,649	1,728	2,112
Nat. Gas Production	(bcf)	518	602	576	559	610	610	615	682	723	775	862
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	1,446	1,349	1,323	1,284	1,224	1,224	1,230	1,225	1,201	1,201	1,201
Ethylene Capacity	(000 Tons/Yr)	NA	150	150	150	150	150	150	150	150	150	620
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	133	164	167	169	161	164	163	168	173	NA	NA
Middle Distillate Demand	(000 b/d)	66	85	102	72	59	55	60	65	66	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	67	72	70	59	52	54	67	68	67	NA	NA
Total Product Demand	(000 b/d)	337	433	427	375	352	383	402	404	397	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	1,286	1,261	1,058	986	999	826	949	1,027	1,011	NA	NA
Pet Product Exports	(000 b/d)	536	466	454	513	502	545	553	504	623	NA	NA
Total Pet Exports	(000 b/d)	1,822	1,727	1,512	1,499	1,501	1,371	1,502	1,531	1,634	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	3	3	0	*	0	0	0	10	13	NA	NA
Total Pet Imports	(000 b/d)	3	3	0	0	0	0	0	10	13	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(1,286)	(1,261)	(1,058)	(986)	(999)	(826)	(949)	(1,027)	(1,011)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(533)	(463)	(454)	(513)	(502)	(545)	(553)	(494)	(610)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(1,819)	(1,724)	(1,512)	(1,499)	(1,501)	(1,371)	(1,502)	(1,521)	(1,621)	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Venezuela

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	36	43	44	43	45	46	46	47	50	50	50	51	46
Offshore	14	19	19	18	17	17	17	18	16	15	15	16	17
Total	50	62	63	61	62	63	63	65	66	65	65	67	63
1982													
Land	48	50	51	51	51	53	54	53	53	54	54	50	52
Offshore	16	16	17	18	17	18	18	19	17	19	18	18	18
Total	64	66	68	69	68	71	72	72	70	73	72	68	70
1983													
Land	45	43	32	30	29	29	30	25	24	21	21	18	29
Offshore	18	18	14	10	8	11	11	11	12	13	12	12	13
Total	63	61	46	40	37	40	41	36	36	34	33	30	42
1984													
Land	22	23	21	21	20	20	18	18	21	23	24	24	21
Offshore	9	10	10	8	9	7	8	9	9	9	10	11	9
Total	31	33	31	29	29	27	26	27	30	32	34	35	30
1985													
Land	21	20	21	22	22	23	24	25	26	26	25	24	23
Offshore	9	8	9	8	8	9	8	10	9	11	12	13	10
Total	30	28	30	30	30	32	32	35	35	37	37	37	33
1986													
Land	22	21	19	18	17	17	17	14	14	13	10	11	16
Offshore	13	12	13	15	14	14	11	10	10	15	15	13	13
Total	35	33	32	33	31	31	28	24	24	28	25	24	29
1987													
Land	7	7	7	8	7	9	9	10	11	11	12	13	9
Offshore	11	11	10	9	10	8	8	8	9	9	9	8	9
Total	18	18	17	17	17	17	17	18	20	20	21	21	18
1988													
Land	14	15	15	13	13	13	14	15	16	16	19	16	15
Offshore	8	8	8	10	10	10	12	13	12	12	9	12	10
Total	22	23	23	23	23	23	26	28	28	28	28	28	25
1989													
Land	17	16	18	17	18	18	18	18	18	19	20	20	18
Offshore	11	11	10	10	9	10	10	10	10	9	9	9	10
Total	28	27	28	27	27	28	28	28	28	28	29	29	28
1990													
Land	20	21	19	19	19	19	19	19	19	20	22	23	20
Offshore	9	8	10	10	10	11	13	14	14	14	15	15	12
Total	29	29	29	29	29	30	32	33	33	34	37	38	32

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	3,697	3,709	3,701	3,716	3,641	3,691	3,707	3,683	3,670	3,690	3,746	3,801	3,704.1
1971	3,746	3,796	3,800	3,775	3,669	3,641	3,481	3,269	3,260	3,295	3,333	3,450	3,542.9
1972	3,169	3,025	3,027	3,119	3,292	3,354	3,284	3,272	3,319	3,208	3,270	3,284	3,218.6
1973	3,262	3,299	3,320	3,350	3,415	3,373	3,380	3,385	3,395	3,371	3,384	3,330	3,355.3
1974	3,274	3,220	3,179	3,044	2,930	2,944	2,940	2,859	2,770	2,810	2,818	2,832	2,968.3
1975	2,748	2,566	2,536	2,491	2,395	2,440	2.337	2,286	2,317	2,245	2,046	1,772	2,348.3
1976	1,675	2,002	2,289	2,401	2,410	2,371	2,481	2,447	2,429	2,364	2,264	2,388	2,293.4
1977	2,374	2,327	2,361	2,175	2,120	2,225	2,204	2,279	2,360	2,345	2,069	1,960	2,233.3
1978	1,785	1,625	2,065	2,230	2,019	2,350	2,287	2,185	2,254	2,306	2,251	2,345	2,141.8
1979	2,348	2,348	2,428	2,386	2,383	2,251	2,332	2,330	2,364	2,360	2,395	2,413	2,361.5
1980	2,280	2,205	1,988	2,051	2,046	2,059	2.170	2,210	2,190	2,227	2,230	2,230	2,157.2
1981	2,220	2,195	2,235	2,200	2,175	1,990	1,760	1,960	2,098	1,980	2,230	2,260	2,108.6
1982	1,985	1,730	1,830	1,530	1,500	1,510	1,840	1,960	1,990	2,160	2,300	2,333	1,889.0
1983	2,084	1,780	1,965	1,681	1,728	1,690	1,695	1,730	1,736	1,725	1,770	1,725	1,775.8
1984	1,712	1.715	1,725	1,700	1,740	1,709	1,768	1,714	1,750	1,650	1,670	1,670	1,710.3
1985	1,670	1,705	1,650	1,675	1,690	1,670	1,670	1,670	1,670	1,560	1,560	1,560	1,645.8
1986	1,557	1,550	1,555	1,555	1,602	1,585	1,877	1,980	1,614	1,555	1,626	1,574	1,635.8
1987	1,502	1,498	1,550	1,575	1,580	1,575	1,645	1,645	1,600	1,600	1,600	1,600	1,580.8
1988	1,579	1,572	1,579	1,624	1,581	1,597	1,580	1,571	1,600	1,700	1,900	1,900	1,648.6
1989	1,636	1,636	1,636	1,741	1,650	1,693	1,850	1,839	1,700	1,750	1,800	1,800	1,727.6
1990	1,986	2,045	2,025	2,020	2,070	2,000	2,000	2,070	2,250	2,250	2,280	2,350	2,112.2

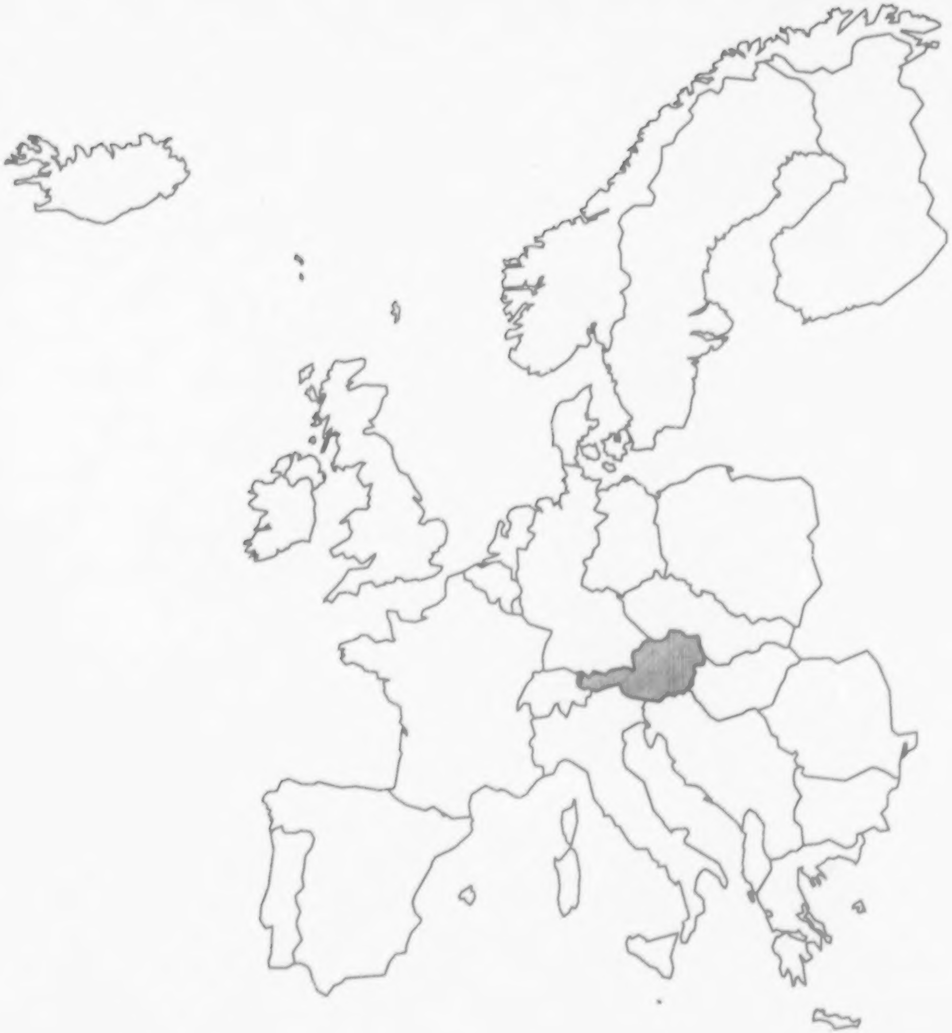
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	19	120	140	142	124	121	124	124	124	124	135	143	1,439.1
1972	143	140	142	138	141	140	135	140	135	135	140	140	1,667.9
1973	142	142	137	140	139	140	139	140	141	141	172	168	1,741.4
1974	171	170	141	140	45	35	41	41	147	45	45	45	1,066.2
1975	35	35	37	37	33	33	33	33	33	33	33	33	405.0
1976	33	33	33	33	33	33	33	34	33	33	34	34	396.0
1977	32	32	32	32	33	36	33	33	35	35	30	30	392.8
1978	30	30	35	36	34	34	34	34	35	34	32	34	401.4
1979	34	30	34	34	34	34	36	36	36	36	33	31	406.0
1980	36	36	36	36	36	44	45	50	50	50	50	50	518.2
1981	50	50	50	50	50	52	50	50	50	50	50	50	602.0
1982	50	50	50	50	50	48	48	48	48	48	44	44	576.3
1983	45	42	48	47	47	47	47	47	47	47	47	51	559.2
1984	51	51	51	51	51	51	51	51	51	51	51	51	609.6
1985	51	51	51	51	51	51	51	51	51	51	51	51	609.6
1986	51	46	51	49	51	49	51	51	49	51	57	59	615.3
1987	60	54	57	55	57	55	59	58	57	59	55	56	681.7
1988	57	54	55	52	54	56	62	65	64	63	70	72	722.9
1989	73	71	75	62	62	60	62	62	60	62	62	64	775.1
1990	70	65	71	69	71	67	69	71	75	77	76	82	862.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Austria

Size (Square Miles): 32,377
Location: Western Europe



Austria

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	7,384	7,426	7,456	7,495	7,525	7,533	7,537	7,540	7,544	7,547	7,551
GNP (Mill US Dollars)	12,819	14,381	16,735	20,623	27,584	32,937	37,457	40,117	47,750	57,431	68,108
GNP per Capita (US Dollars)	1,770	1,950	2,180	2,520	3,120	3,960	4,760	5,380	6,130	6,870	8,450
Consumer Price Index (1987=100)	39.8	41.6	43.5	46.3	49.8	54.5	59.1	63.4	66.9	69.3	71.9

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	7,554	7,558	7,571	7,549	7,552	7,555	7,565	7,573	7,595	7,598
GNP (Mill US Dollars)	76,229	65,738	65,950	66,386	63,378	64,828	91,912	115,886	126,049	125,246
GNP per Capita (US Dollars)	9,980	10,140	9,800	9,300	9,080	9,040	9,860	11,950	15,450	17,360
Consumer Price Index (1987=100)	76.4	81.6	86.0	88.9	94.0	97.0	98.6	100.0	101.9	104.5

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Austria

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1980	0.49	0.18	0.15	0.26	1.08
1981	0.48	0.18	0.16	0.27	1.09
1982	0.44	0.15	0.16	0.27	1.02
1983	0.43	0.13	0.16	0.27	0.99
1984	0.42	0.18	0.16	0.26	1.02
1985	0.42	0.18	0.15	0.28	1.03
1986	0.44	0.18	0.15	0.28	1.05
1987	0.46	0.17	0.18	0.31	1.12
1988	0.44	0.18	0.14	0.32	1.08
1989	0.45	0.18	0.18	0.33	1.14

Production

	Coal	Hydroelectric Power	Primary Energy
1973	NA	0.20	0.20
1974	NA	0.23	0.23
1975	0.05	0.24	0.29
1976	0.04	0.21	0.25
1977	0.04	0.26	0.30
1978	0.04	0.26	0.30
1979	0.04	0.29	0.33
1980	0.04	0.30	0.34
1981	0.04	0.32	0.36
1982	0.05	0.32	0.37
1983	0.04	0.31	0.35
1984	0.04	0.30	0.34
1985	0.04	0.32	0.36
1986	0.04	0.32	0.36
1987	0.04	0.38	0.42
1988	0.03	0.37	0.40
1989	0.04	0.39	0.43

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Austria

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	8	9	9	9	7	7	6	4	4	2	1
Well Completions	(Total)	62	72	76	50	49	58	38	34	NA	19	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	141	130	134	128	122	119	110	76	105	100	66
Nat. Gas Reserves, Beginning of Year	(bcf)	406	365	345	337	530	530	520	420	420	420	400
Crude Oil Production	(000 b/d)	29	25	25	24	23	22	22	22	24	23	22
Nat. Gas Production	(bcf)	61	89	49	40	45	41	40	40	44	45	38
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	280	280	244	269	268	273	204	204	204	204	204
Ethylene Capacity	(000 Tons/Yr)	NA	260	265	265	265	285	285	320	320	320	320
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	57	57	57	58	57	56	58	59	59	NA	NA
Middle Distillate Demand	(000 b/d)	55	48	50	52	48	53	55	58	59	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	90	78	70	59	54	51	56	55	47	NA	NA
Total Product Demand	(000 b/d)	232	225	209	206	200	200	211	217	212	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	3	0	3	4	10	18	11	10	7	NA	NA
Total Pet Exports	(000 b/d)	3	0	3	4	10	18	11	10	7	NA	NA
Crude Oil Imports	(000 b/d)	171	156	125	114	120	126	126	124	118	NA	NA
Pet Product Imports	(000 b/d)	58	45	51	56	64	64	74	77	74	NA	NA
Total Pet Imports	(000 b/d)	229	201	176	170	184	190	200	201	192	NA	NA
Net Crude Imports (Exports)	(000 b/d)	171	156	125	114	120	126	126	124	118	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	55	45	48	52	54	46	63	67	67	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	226	201	173	166	174	172	189	191	185	NA	NA
Total Pet Imports, % of Demand	(Percent)	48.01	44.67	42.00	41.36	46.00	47.50	46.95	46.00	44.96	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	47.38	44.67	41.29	40.39	43.50	43.00	44.37	43.71	43.33	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	124	141	107	87	144	147	143	134	137	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Austria

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	7	8	8	8	8	8	10	10	10	10	10	10	9
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7	8	8	8	8	8	10	10	10	10	10	10	9
1982													
Land	10	10	10	9	9	8	8	8	8	8	8	8	9
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	10	10	10	9	9	8	8	8	8	8	8	8	9
1983													
Land	11	9	9	10	11	10	9	9	9	9	5	5	9
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	11	9	9	10	11	10	9	9	9	9	5	5	9
1984													
Land	8	8	6	6	11	8	7	7	4	4	4	8	7
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	8	8	6	6	11	8	7	7	4	4	4	8	7
1985													
Land	8	8	8	8	8	6	4	4	4	7	7	6	7
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	8	8	8	8	8	6	4	4	4	7	7	6	7
1986													
Land	7	8	8	10	9	9	4	3	5	5	3	5	6
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7	8	8	10	9	9	4	3	5	5	3	5	6
1987													
Land	5	5	4	4	4	4	4	3	3	3	4	4	4
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	4	4	4	4	4	3	3	3	4	4	4
1988													
Land	5	5	5	5	5	5	5	5	4	3	3	3	4
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	5	5	5	5	5	5	4	3	3	3	4
1989													
Land	3	3	3	3	2	2	2	2	2	2	1	1	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3	3	3	3	2	2	2	2	2	2	1	1	2
1990													
Land	1	2	2	2	2	2	1	1	1	1	1	1	1
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	2	2	2	2	2	1	1	1	1	1	1	1

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Austria

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	50	50	50	50	54	54	54	52	52	52	52	52	51.8
1971	52	52	52	52	52	52	52	50	50	50	38	38	49.1
1972	38	33	38	48	48	50	50	45	45	45	46	46	44.8
1973	47	47	47	47	47	47	50	50	50	48	48	48	48.0
1974	50	50	50	50	50	45	45	45	45	45	45	45	47.1
1975	40	40	40	40	45	45	41	40	37	37	37	37	39.9
1976	37	37	37	37	37	37	37	37	37	37	37	31	36.5
1977	35	35	35	35	35	35	35	35	35	35	35	35	35.0
1978	35	35	35	35	35	35	35	35	35	35	35	35	35.0
1979	35	35	35	35	35	35	35	35	35	35	35	35	35.0
1980	29	29	29	29	29	29	29	29	29	29	29	25	28.7
1981	25	25	25	25	25	25	25	25	25	25	25	25	25.0
1982	25	25	25	25	25	25	25	25	25	25	25	25	25.0
1983	25	25	20	20	22	22	24	26	25	25	27	27	24.0
1984	24	25	23	25	23	22	19	22	23	23	24	24	23.1
1985	23	20	21	22	22	22	22	22	22	22	22	22	21.8
1986	22	24	22	22	22	22	22	22	22	22	22	22	22.2
1987	22	22	21	22	22	21	20	22	22	22	21	21	21.5
1988	22	22	22	23	26	24	22	24	24	25	25	25	23.7
1989	24	22	25	24	22	24	22	22	22	21	21	21	22.5
1990	21	20	20	20	20	24	23	23	23	23	21	21	21.6

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	7.3	7.3	7.4	7.7	7.2	7.2	4.1	3.3	3.5	3.6	4.3	4.8	67.7
1972	6.9	7.0	7.4	7.0	7.5	7.4	5.2	5.2	3.1	3.6	4.9	7.1	72.3
1973	6.0	5.4	5.8	7.8	7.8	6.2	4.9	5.0	5.2	6.7	4.6	6.8	72.2
1974	8.6	9.6	9.6	10.1	9.4	8.9	5.4	5.3	5.7	4.9	5.2	4.9	87.6
1975	5.2	7.7	7.7	6.7	7.7	4.8	4.8	4.9	5.2	5.2	5.2	5.6	70.7
1976	6.7	7.6	8.2	8.2	7.4	6.5	9.0	5.6	5.3	5.3	4.0	4.0	77.8
1977	7.0	7.0	7.0	7.8	7.6	7.6	7.4	5.9	5.9	5.8	5.8	6.0	80.8
1978	6.2	6.2	4.6	4.6	4.0	8.1	7.4	3.2	7.1	4.8	4.1	4.9	65.2
1979	6.3	5.6	6.8	6.0	7.3	7.2	7.6	7.6	7.4	7.5	4.9	5.0	79.2
1980	5.5	5.5	7.1	6.2	6.0	6.2	4.2	4.8	4.9	4.0	3.1	3.1	60.6
1981	5.1	5.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	89.1
1982	5.0	4.0	5.1	7.0	3.8	3.6	3.8	3.4	3.1	3.4	3.3	3.4	48.9
1983	4.1	2.1	2.1	3.5	3.5	2.9	2.9	3.1	3.7	4.1	3.9	4.3	40.2
1984	4.7	4.7	4.3	3.7	3.6	3.0	3.1	2.8	3.3	3.8	4.0	3.8	44.8
1985	4.8	4.2	4.9	3.7	3.3	2.4	1.7	2.2	2.8	3.5	3.6	3.7	40.8
1986	4.1	3.7	4.6	3.2	3.2	3.0	2.8	2.6	2.7	2.6	3.4	3.7	39.6
1987	3.9	4.2	4.3	3.8	3.7	3.1	2.2	2.6	2.7	2.7	3.4	3.7	40.3
1988	4.1	4.7	4.9	3.6	3.6	2.9	2.2	3.1	3.1	3.8	3.8	4.0	43.8
1989	4.3	4.0	4.1	3.8	3.7	3.8	3.9	3.9	3.8	3.9	2.6	3.2	45.0
1990	3.2	2.9	3.1	3.0	3.1	3.0	3.5	3.2	3.1	3.5	2.8	3.9	38.3

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Austria

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	2.65	2.54	1.52	3.92	2.17	NA	35.78
1982	2.76	2.49	1.57	4.02	0.98	NA	34.84
1983	2.49	2.33	1.44	3.76	0.95	NA	29.46
1984	2.26	2.04	1.45	3.58	0.93	NA	30.56
1985	2.10	1.24	1.18	2.51	0.44	NA	33.80
1986	2.60	1.95	1.08	NA	1.12	45.55	34.28
1987	2.64	1.98	1.25	NA	1.30	NA	NA
1988	2.86	2.12	1.27	NA	1.31	NA	NA
1989	3.15	2.17	0.80	NA	1.39	28.56	NA
1990	3.02	2.09	1.23	NA	1.27	NA	NA

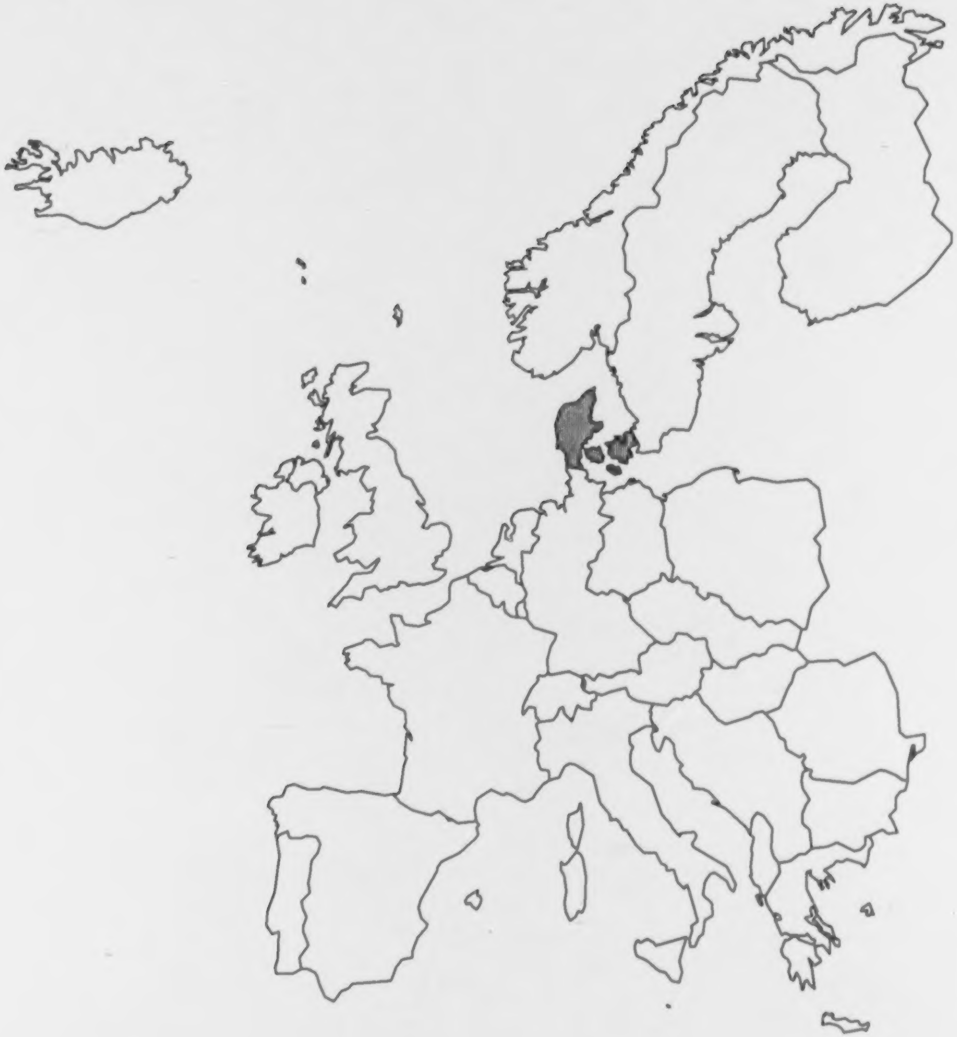
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Denmark

Size (Square Miles): 16,638
Location: Western Europe



Denmark

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	4,891	4,929	4,963	4,992	5,022	5,045	5,060	5,073	5,088	5,104	5,117
GNP (Mill US Dollars)	14,291	15,788	17,616	21,580	28,435	31,585	37,320	41,200	46,040	55,670	64,690
GNP per Capita (US Dollars)	2,950	3,130	3,450	3,980	4,820	5,760	6,910	8,040	8,930	10,010	11,880
Consumer Price Index (1987=100)	23.3	24.8	26.2	28.0	30.6	35.2	38.6	42.1	46.8	51.5	56.4

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	5,123	5,122	5,118	5,114	5,112	5,114	5,121	5,127	5,130	5,132
GNP (Mill US Dollars)	64,635	55,487	53,611	53,995	52,256	55,547	78,984	97,646	103,327	100,438
GNP per Capita (US Dollars)	13,120	12,850	12,110	11,390	11,160	11,310	12,650	14,990	18,540	20,510
Consumer Price Index (1987=100)	63.4	70.8	78.0	83.4	88.6	92.7	96.2	100.0	104.6	109.6

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Denmark

Energy Consumption by Source
Quadrillion BTU

	Petroleum	Coal	Primary Energy
1980	0.62	0.26	0.88
1981	0.52	0.28	0.80
1982	0.49	0.25	0.74
1983	0.46	0.25	0.71
1984	0.46	0.22	0.68
1985	0.47	0.33	0.80
1986	0.46	0.31	0.77
1987	0.45	0.27	0.72
1988	0.43	0.21	0.64
1989	0.41	0.23	0.64

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Denmark

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	3	2	2	5	3	4	3	3	2	2	2
Well Completions	(Total)	11	14	19	30	4	24	22	8	NA	18	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	375	475	470	473	324	400	465	440	440	861	849
Nat. Gas Reserves, Beginning of Year	(bcf)	2,820	4,000	2,000	2,300	2,887	3,500	3,900	3,400	4,400	4,320	4,450
Crude Oil Production	(000 b/d)	7	15	35	43	45	59	73	93	96	112	121
Nat. Gas Production	(bcf)	NA	NA	NA	19	21	40	60	86	85	100	101
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	214	215	215	215	174	176	166	166	177	177	187
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	35	34	33	35	35	37	36	36	36	NA	NA
Middle Distillate Demand	(000 b/d)	112	100	103	99	100	110	107	106	100	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	85	70	61	50	45	44	41	36	34	NA	NA
Total Product Demand	(000 b/d)	290	243	233	223	220	230	221	215	205	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	9	5	15	23	18	20	18	37	41	NA	NA
Pet Product Exports	(000 b/d)	36	25	23	36	45	43	51	50	53	NA	NA
Total Pet Exports	(000 b/d)	45	30	38	59	63	63	69	87	94	NA	NA
Crude Oil Imports	(000 b/d)	123	112	100	123	107	93	87	84	91	NA	NA
Pet Product Imports	(000 b/d)	178	143	132	113	122	136	133	123	111	NA	NA
Total Pet Imports	(000 b/d)	301	255	232	236	229	229	220	207	202	NA	NA
Net Crude Imports (Exports)	(000 b/d)	114	107	85	100	89	73	69	47	50	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	142	118	109	77	77	93	82	73	58	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	256	225	194	177	166	166	151	120	108	NA	NA
Total Pet Imports, % of Demand	(Percent)	53.27	50.70	50.66	53.88	53.26	50.89	50.46	49.88	50.50	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	45.31	44.73	42.36	40.41	38.60	36.89	34.63	28.92	27.00	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc.,
British Petroleum, Energy Information Administration, Oil & Gas Journal

Denmark

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	2	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	0	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2
1982													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2
1983													
Land	0	0	1	1	1	1	1	1	1	1	1	1	1
Offshore	2	2	4	4	4	4	4	4	4	4	4	4	4
Total	2	2	5	5	5	5	5	5	5	5	5	5	5
1984													
Land	0	0	0	0	0	0	0	0	0	0	1	0	0
Offshore	3	3	3	3	3	3	3	3	3	3	1	3	3
Total	3	3	3	3	3	3	3	3	3	3	2	3	3
1985													
Land	0	0	0	0	0	0	0	0	1	1	1	0	0
Offshore	3	3	3	3	3	3	3	3	4	4	4	5	3
Total	3	3	3	3	3	3	3	3	5	5	5	5	3
1986													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	5	5	5	5	2	2	1	1	1	1	2	0	3
Total	5	5	5	5	2	2	1	1	1	1	2	0	3
1987													
Land	0	0	1	1	0	0	0	0	0	0	0	0	0
Offshore	0	0	1	1	1	1	3	4	5	7	5	4	3
Total	0	0	2	2	1	1	3	4	5	7	5	4	3
1988													
Land	0	0	0	1	1	0	1	1	1	0	0	0	0
Offshore	4	3	2	1	0	1	1	1	1	2	2	2	2
Total	4	3	2	2	1	1	2	2	2	2	2	2	2
1989													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	2	2	3	3	3	2	3	3	1	0	1	1	2
Total	2	2	3	3	3	2	3	3	1	0	1	1	2
1990													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	2	2	1	2	2	2	0	2	3	2	2	1	2
Total	2	2	1	2	2	2	0	2	3	2	2	1	2

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Denmark

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1972	NA	NA	NA	NA	NA	NA	8	8	8	8	6	6	3.7
1973	4	4	4	4	4	4	4	4	4	4	4	4	4.0
1974	4	4	4	2	4	4	4	4	4	4	4	4	3.8
1975	4	4	4	4	4	4	4	3	3	3	3	3	3.6
1976	3	3	3	3	3	3	3	3	3	3	3	3	3.0
1977	3	3	3	3	3	3	3	9	9	10	10	10	5.8
1978	10	10	10	10	10	10	10	10	10	10	10	10	10.0
1979	10	10	10	10	10	10	10	10	12	12	12	10	10.5
1980	7	7	6	7	6	6	6	6	6	7	8	15	7.3
1981	6	6	6	6	11	21	25	23	22	22	15	20	15.3
1982	20	15	15	24	31	48	50	50	50	50	35	35	35.3
1983	28	44	43	47	48	50	53	44	39	40	42	42	43.3
1984	31	30	47	46	45	44	47	47	48	52	55	53	45.4
1985	56	56	60	56	57	51	58	60	61	64	64	64	58.9
1986	64	78	76	76	72	71	74	76	76	68	71	75	73.1
1987	87	83	80	85	101	99	101	96	99	93	97	99	93.3
1988	98	98	101	97	93	92	93	90	86	93	105	104	95.8
1989	105	108	107	117	113	110	108	113	111	112	118	117	111.6
1990	113	118	111	117	120	123	117	113	123	130	131	130	120.5

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1983	0.0	1.5	1.8	1.7	1.9	1.8	2.0	1.9	1.6	1.6	1.6	1.6	19.0
1984	1.8	1.8	2.0	2.0	2.0	2.0	2.0	0.2	1.1	1.4	2.4	2.7	21.4
1985	3.7	3.6	3.2	2.4	2.0	1.8	1.8	1.9	2.9	4.6	5.8	6.0	39.7
1986	6.0	7.6	6.9	5.2	3.4	2.9	3.0	4.1	4.5	7.3	2.0	7.3	60.2
1987	10.4	8.4	9.1	8.2	6.7	6.1	4.3	5.1	5.3	5.7	7.5	8.7	85.5
1988	8.4	8.2	8.8	6.2	4.7	3.1	5.2	5.1	5.5	8.2	10.1	11.0	84.5
1989	10.0	9.8	9.3	8.0	6.7	4.8	4.5	8.2	6.9	8.6	11.0	12.5	100.3
1990	12.0	9.9	10.6	4.9	6.7	6.6	3.9	4.6	6.5	10.1	12.6	13.0	101.4

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Denmark

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	3.13	1.83	1.66	1.66	1.40	NA	NA
1982	2.90	1.86	1.68	1.67	1.39	NA	47.20
1983	2.86	1.82	1.66	1.68	1.36	NA	45.03
1984	2.40	1.44	1.30	1.35	1.16	NA	41.75
1985	2.05	0.80	1.19	1.08	1.06	NA	30.48
1986	2.54	1.12	1.49	1.63	1.41	42.84	25.41
1987	3.58	2.29	2.22	1.82	1.57	34.86	20.00
1988	3.72	1.05	2.27	1.78	NA	34.86	18.97
1989	3.64	1.04	2.32	1.84	2.06	36.96	20.83
1990	3.90	1.10	2.37	NA	NA	38.64	23.00

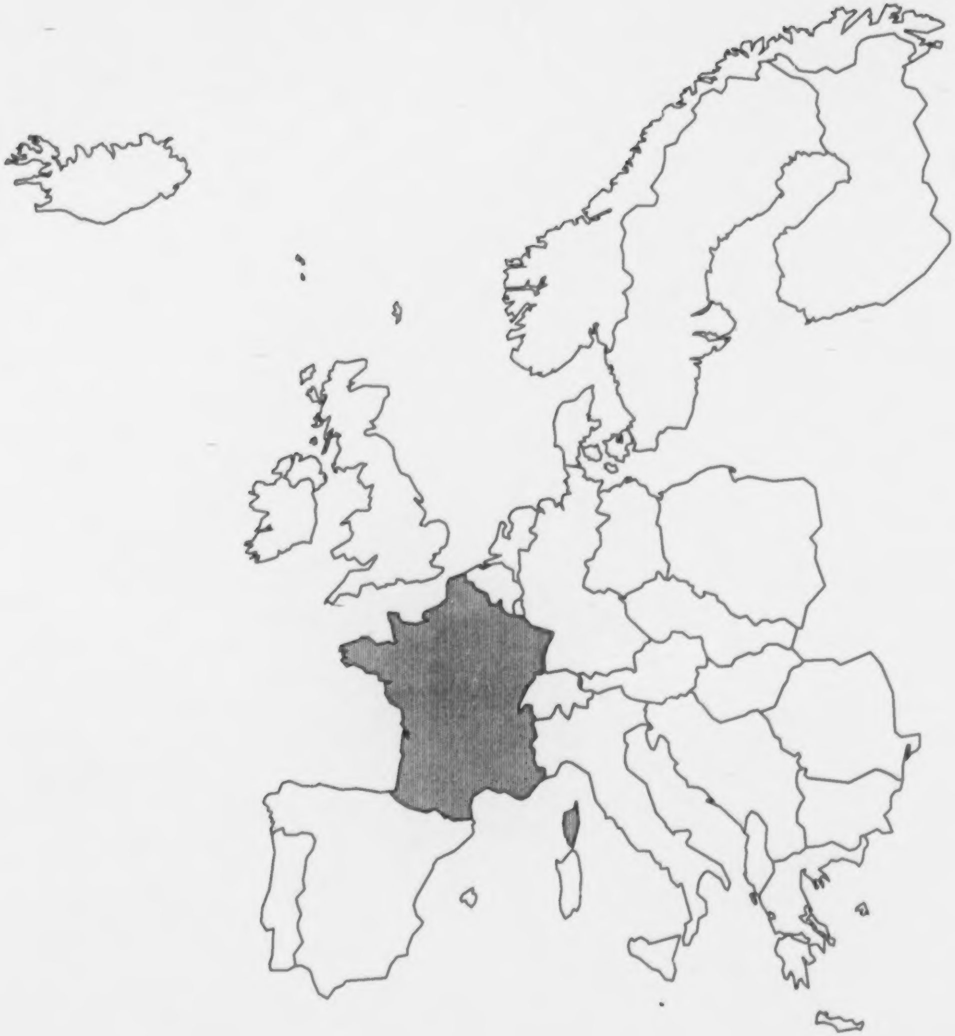
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

France

Size (Square Miles): 211,208
Location: Western Europe



France

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	50,318	50,772	51,251	51,701	52,118	52,460	52,699	52,909	53,145	53,376	53,606
GNP (Mill US Dollars)	137,476	143,568	160,126	196,448	254,427	271,746	342,727	356,381	391,385	484,989	585,812
GNP per Capita (US Dollars)	2,810	2,990	3,140	3,490	4,210	5,080	6,010	6,700	7,540	8,430	10,010
Consumer Price Index (1987=100)	22.5	23.8	25.2	26.7	28.7	32.6	36.4	39.9	43.7	47.6	52.8

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	53,880	54,182	54,480	54,728	54,947	55,170	55,394	55,630	55,874	56,119
GNP (Mill US Dollars)	666,879	584,733	552,207	524,252	496,384	519,967	726,667	882,729	952,886	954,154
GNP per Capita (US Dollars)	11,870	12,430	11,900	10,640	9,940	9,750	10,770	12,960	16,200	17,830
Consumer Price Index (1987=100)	59.8	67.8	75.8	83.1	89.3	94.4	96.8	100.0	102.7	106.3

Data from Oil & Gas Journal Energy Database.
Source: World Bank

France

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	4.72	0.99	1.43	0.74	0.67	8.55
1981	4.19	0.96	1.35	0.76	0.94	8.21
1982	3.91	0.89	1.16	0.76	0.99	7.70
1983	3.79	1.03	1.00	0.73	1.27	7.82
1984	3.61	1.01	1.08	0.68	1.63	8.02
1985	3.64	1.07	0.95	0.66	1.90	8.22
1986	3.63	1.04	0.88	0.65	2.12	8.32
1987	3.67	1.10	0.74	0.71	2.17	8.39
1988	3.69	1.01	0.66	0.77	2.23	8.36
1989	3.81	1.05	0.76	0.50	2.43	8.55

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	0.10	0.28	0.76	0.49	0.15	1.78
1974	0.09	0.28	0.68	0.59	0.18	1.82
1975	0.09	0.27	0.68	0.62	0.22	1.88
1976	0.08	0.26	0.67	0.51	0.19	1.71
1977	0.09	0.26	0.65	0.79	0.21	2.00
1978	0.09	0.24	0.63	0.71	0.35	2.02
1979	0.09	0.24	0.56	0.70	0.44	2.03
1980	0.09	0.24	0.54	0.73	0.72	2.32
1981	0.12	0.20	0.55	0.76	1.02	2.65
1982	0.10	0.20	0.51	0.74	1.06	2.61
1983	0.11	0.21	0.50	0.74	1.40	2.96
1984	0.12	0.20	0.48	0.70	1.87	3.37
1985	0.13	0.17	0.43	0.66	2.15	3.54
1986	0.16	0.13	0.42	0.67	2.43	3.81
1987	0.16	0.13	0.40	0.75	2.53	3.97
1988	0.17	0.10	0.38	0.81	2.64	4.10
1989	0.17	0.10	0.32	0.52	2.91	4.02

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

France

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	13	21	22	17	20	22	15	8	8	7	6
Well Completions	(Total)	83	119	132	133	127	172	128	93	NA	73	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	50	40	103	124	140	148	230	235	213	206	190
Nat. Gas Reserves, Beginning of Year	(bcf)	6,300	6,000	2,720	2,700	2,422	1,500	1,400	1,230	1,170	1,180	1,180
Crude Oil Production	(000 b/d)	27	34	34	35	35	51	59	64	67	65	62
Nat. Gas Production	(bcf)	264	275	333	289	373	264	150	137	114	109	116
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	3,385	3,342	3,291	2,871	2,670	2,386	1,947	1,834	1,941	1,876	1,820
Ethylene Capacity	(000 Tons/Yr)	NA	2,905	2,845	2,590	2,270	2,270	2,415	2,400	2,435	2,455	2,595
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	413	423	415	422	400	383	390	389	398	NA	NA
Middle Distillate Demand	(000 b/d)	775	697	670	676	717	719	724	716	716	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	500	383	378	342	229	190	172	177	166	NA	NA
Total Product Demand	(000 b/d)	2,256	2,023	1,939	1,913	1,857	1,799	1,772	1,789	1,797	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	1	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	333	329	243	221	212	240	230	203	243	NA	NA
Total Pet Exports	(000 b/d)	333	329	243	221	213	240	230	203	243	NA	NA
Crude Oil Imports	(000 b/d)	2,237	1,917	1,638	1,447	1,379	1,361	1,307	1,212	1,322	NA	NA
Pet Product Imports	(000 b/d)	367	384	403	445	523	539	604	720	639	NA	NA
Total Pet Imports	(000 b/d)	2,604	2,301	2,041	1,892	1,902	1,900	1,911	1,932	1,961	NA	NA
Net Crude Imports (Exports)	(000 b/d)	2,237	1,917	1,638	1,447	1,378	1,361	1,307	1,212	1,322	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	34	55	160	224	311	299	374	517	396	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	2,271	1,972	1,798	1,671	1,689	1,660	1,681	1,729	1,718	NA	NA
Total Pet Imports, % of Demand	(Percent)	57.66	56.36	52.96	49.88	51.80	52.94	53.05	53.16	54.07	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	50.29	48.30	46.65	44.05	46.00	46.25	46.67	47.58	47.37	NA	NA
Natural Gas Exports	(bcf)	6	0	5	2	6	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	775	780	693	816	810	904	907	950	890	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc.,
British Petroleum, Energy Information Administration, Oil & Gas Journal

France

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	15	15	15	15	15	15	15	15	21	28	28	28	19
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	17	17	17	17	17	17	17	17	23	30	30	30	21
1982													
Land	28	28	26	28	28	23	19	19	14	13	14	13	21
Offshore	2	2	2	2	2	0	0	0	0	0	1	0	1
Total	30	30	28	30	30	23	19	19	14	13	15	13	22
1983													
Land	13	22	14	14	14	14	18	18	19	18	18	16	17
Offshore	0	0	1	1	1	1	1	1	1	0	0	1	1
Total	13	22	15	15	15	15	19	19	20	18	18	17	18
1984													
Land	20	20	20	20	19	19	19	21	20	19	20	20	20
Offshore	1	1	1	1	1	1	1	1	0	0	0	0	1
Total	21	21	21	21	20	20	20	22	20	19	20	20	22
1985													
Land	16	16	16	20	22	22	23	25	23	25	26	25	22
Offshore	1	1	0	0	0	0	0	0	0	0	0	0	0
Total	17	17	16	20	22	22	23	25	23	25	26	25	22
1986													
Land	23	20	20	17	17	17	14	15	15	8	8	7	15
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	23	20	20	17	17	17	14	15	15	8	8	7	15
1987													
Land	7	7	7	5	7	7	7	8	9	9	14	14	8
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7	7	7	5	7	7	7	8	9	9	14	14	8
1988													
Land	10	9	7	9	8	8	8	8	7	9	8	9	8
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	10	9	7	9	8	8	8	8	7	9	8	9	8
1989													
Land	5	5	3	4	9	10	8	9	9	7	7	7	7
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	3	4	9	10	8	9	9	7	7	7	7
1990													
Land	7	8	8	8	7	7	5	6	5	3	4	6	6
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7	8	8	8	7	7	5	6	5	3	4	6	6

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	50	50	50	50	50	50	50	46	46	46	46	46	48.3
1971	42	47	40	40	40	40	40	38	35	35	35	35	38.8
1972	34	34	34	34	34	30	30	30	30	30	30	30	31.7
1973	30	30	30	30	30	30	27	27	27	24	25	25	27.9
1974	24	25	25	25	25	25	25	25	25	25	25	26	25.0
1975	22	22	22	22	22	22	20	20	20	20	20	20	21.0
1976	20	20	20	20	20	20	20	20	20	20	20	20	20.0
1977	20	20	20	21	20	20	20	20	20	20	20	20	20.1
1978	20	20	20	20	20	20	20	20	20	20	20	20	20.0
1979	20	20	20	20	20	20	20	20	20	20	20	20	20.0
1980	25	26	26	26	26	26	26	26	26	26	26	35	26.7
1981	33	33	33	33	33	33	35	35	35	35	35	35	34.0
1982	32	32	32	32	32	32	35	35	35	35	35	35	33.5
1983	35	35	35	35	35	35	35	35	35	35	35	35	35.0
1984	35	35	35	35	35	35	35	35	35	35	35	35	35.0
1985	40	40	40	40	50	50	55	57	58	59	59	61	50.8
1986	61	60	57	62	60	55	57	57	59	59	58	60	58.8
1987	55	61	63	64	64	64	66	65	65	64	67	71	64.1
1988	69	70	69	66	67	69	67	67	67	66	65	65	67.3
1989	65	65	64	65	66	64	62	62	66	68	66	67	65.0
1990	65	63	65	62	63	63	51	60	63	62	62	62	61.8

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	23.1	23.7	23.2	23.2	21.6	21.1	19.1	20.9	20.3	20.4	22.3	24.3	263.2
1972	23.6	23.0	23.7	22.6	22.9	20.2	19.2	20.1	21.7	22.4	27.9	21.3	268.6
1973	20.2	31.2	32.0	23.3	20.0	18.1	18.8	16.0	17.1	18.9	22.2	20.7	258.5
1974	23.2	23.4	24.4	24.1	24.2	22.1	24.2	28.3	24.2	18.6	32.3	34.6	303.6
1975	23.3	23.4	22.4	21.3	19.5	24.2	21.5	21.6	23.8	21.5	24.3	20.4	267.2
1976	22.1	23.5	23.5	24.3	24.0	18.6	22.2	21.5	10.9	14.7	22.7	22.7	250.7
1977	23.2	23.2	23.2	24.4	21.7	23.9	22.4	22.4	21.7	16.7	17.0	17.0	256.8
1978	16.4	16.0	20.8	21.9	20.2	20.2	20.2	22.3	23.0	16.2	18.2	16.2	231.6
1979	22.3	20.3	18.6	19.0	18.6	18.4	22.9	22.9	23.2	24.0	15.0	14.0	239.2
1980	18.9	18.9	23.1	23.1	24.0	23.1	22.2	24.5	25.0	25.0	18.3	18.3	264.4
1981	18.2	21.0	24.0	24.0	24.0	24.0	24.0	23.0	23.0	23.0	23.0	24.0	275.2
1982	17.0	20.0	26.2	25.8	36.0	33.3	34.4	34.4	24.7	25.5	27.2	28.1	332.6
1983	28.4	24.2	26.8	24.8	23.2	18.4	18.7	18.7	18.9	26.0	26.1	35.1	289.3
1984	35.3	31.7	33.4	30.5	34.0	27.0	28.0	28.0	27.0	30.9	32.9	34.7	373.4
1985	37.6	33.8	35.0	33.9	18.4	16.2	16.0	15.2	12.1	13.4	15.8	16.3	263.7
1986	16.8	14.8	10.7	10.0	11.4	10.1	13.2	13.0	12.4	12.7	12.5	12.1	149.7
1987	12.3	11.5	12.8	12.2	10.2	9.4	12.4	11.8	8.0	11.6	11.9	12.6	136.7
1988	11.8	10.7	11.4	7.8	9.8	10.8	9.7	8.5	7.4	6.2	9.2	10.5	113.8
1989	9.2	7.8	10.1	9.2	9.5	7.5	8.4	8.6	8.6	9.0	10.7	10.2	108.8
1990	10.3	9.1	10.6	10.2	10.5	10.2	10.5	6.1	6.8	10.3	10.4	11.1	116.1

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

France

Selected Petroleum Prices
January 1 *
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1978	2.15	1.30	0.72	NA	28.56	13.98
1979	2.56	1.65	0.93	NA	37.38	18.33
1980	3.03	2.11	1.38	NA	55.44	27.39
1981	2.99	2.15	1.49	NA	56.28	35.29
1982	2.56	1.88	1.37	NA	55.02	28.58
1983	2.68	2.07	1.53	1.30	52.08	30.57
1984	2.24	1.67	1.19	1.14	47.46	29.17
1985	2.18	1.30	1.15	NA	51.24	30.86
1986	2.58	1.87	1.38	NA	59.67	28.90
1987	2.95	1.91	1.20	NA	49.98	20.21
1988	3.08	1.93	1.20	NA	49.98	15.28
1989	3.11	1.86	1.22	NA	51.24	17.15
1990	3.40	1.78	1.40	NA	NA	18.51

* Data from 1978-1980 are yearly averages.
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Germany

Size (Square Miles): 137,855
Location: Western Europe

* All data includes East Germany
except for economic information.

Germany

General Economic Information*

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	60,067	60,651	61,302	61,672	61,976	62,054	61,829	61,531	61,401	61,327	61,359
GNP (Mill US Dollars)	151,701	184,617	215,415	258,652	344,157	380,579	418,455	446,905	516,940	642,587	763,115
GNP per Capita (US Dollars)	2,550	2,860	3,240	3,830	4,750	5,720	6,670	7,480	8,250	9,510	11,560
Consumer Price Index (1987=100)	48.7	50.3	53.0	55.9	59.8	63.9	67.7	70.7	73.3	75.2	78.3

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	61,566	61,682	61,638	61,423	61,175	61,024	61,066	61,199	61,268	61,337
GNP (Mill US Dollars)	816,044	683,673	657,243	659,020	621,018	627,347	896,406	1,121,000	1,205,568	1,207,128
GNP per Capita (US Dollars)	13,340	13,290	12,270	11,450	11,220	10,970	11,990	14,400	18,460	20,750
Consumer Price Index (1987=100)	82.6	87.8	92.4	95.5	97.7	99.9	99.8	100.0	101.3	104.1

* Does not include East Germany.

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Germany

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	6.47	2.38	5.97	0.30	0.59	15.73
1981	5.87	2.41	6.17	0.35	0.69	15.50
1982	5.73	2.07	6.35	0.34	0.78	15.29
1983	5.54	2.08	6.32	0.35	0.83	15.13
1984	5.55	2.27	6.21	0.34	1.12	15.50
1985	5.61	2.42	6.59	0.34	1.44	16.43
1986	5.94	2.30	6.50	0.34	1.39	16.49
1987	5.72	2.44	6.14	0.38	1.51	16.20
1988	5.68	2.44	6.19	0.39	1.66	16.40
1989	5.35	2.55	6.20	0.37	1.62	16.11

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	0.30	0.77	5.76	0.16	0.12	7.11
1974	0.29	0.79	5.91	0.18	0.14	7.31
1975	0.26	0.73	5.82	0.18	0.25	7.24
1976	0.25	0.76	5.93	0.14	0.31	7.39
1977	0.26	0.76	5.81	0.18	0.41	7.42
1978	0.22	0.80	5.80	0.19	0.43	7.44
1979	0.22	0.78	6.09	0.19	0.52	7.80
1980	0.22	0.75	6.13	0.18	0.59	7.87
1981	0.22	0.77	6.25	0.21	0.69	8.14
1982	0.20	0.67	6.47	0.20	0.79	8.33
1983	0.19	0.73	6.30	0.20	0.82	8.24
1984	0.19	0.79	6.33	0.19	1.10	8.60
1985	0.20	0.75	6.49	0.18	1.45	9.07
1986	0.20	0.67	6.35	0.19	1.36	8.77
1987	0.18	0.65	6.07	0.21	1.48	8.59
1988	0.19	0.72	6.09	0.22	1.63	8.85
1989	0.18	0.74	6.03	0.21	1.59	8.75

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Germany

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	22	26	31	25	19	20	19	12	9	8	9
Well Completions	(Total)	121	114	118	82	105	71	56	38	NA	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	480	450	342	310	304	299	292	316	316	408	400
Nat. Gas Reserves, Beginning of Year	(bcf)	6,350	6,000	6,180	6,319	6,800	5,957	6,424	6,500	6,400	9,393	6,640
Crude Oil Production	(000 b/d)	90	85	82	81	80	81	79	75	77	74	71
Nat. Gas Production	(bcf)	739	636	591	600	674	608	554	659	552	567	566
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	3,384	3,491	3,407	2,941	2,856	2,622	2,403	2,190	2,118	1,988	1,977
Ethylene Capacity	(000 Tons/Yr)	NA	4,965	4,455	4,170	3,990	3,990	3,660	3,790	3,790	3,790	3,830
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	620	560	625	638	641	643	660	690	712	NA	NA
Middle Distillate Demand	(000 b/d)	1,214	1,100	1,061	1,045	1,099	1,169	1,279	1,244	1,207	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	563	465	471	394	320	284	393	319	278	NA	NA
Total Product Demand	(000 b/d)	3,095	2,804	2,695	2,628	2,672	2,709	2,860	2,766	2,744	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	1	0	1	1	0	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	198	210	223	279	243	248	208	200	211	NA	NA
Total Pet Exports	(000 b/d)	199	210	224	280	243	248	208	200	211	NA	NA
Crude Oil Imports	(000 b/d)	2,442	1,991	1,897	1,777	1,815	1,748	1,786	1,711	1,849	NA	NA
Pet Product Imports	(000 b/d)	831	803	826	933	917	1,011	1,133	1,084	962	NA	NA
Total Pet Imports	(000 b/d)	3,273	2,794	2,723	2,710	2,732	2,759	2,919	2,795	2,811	NA	NA
Net Crude Imports (Exports)	(000 b/d)	2,441	1,991	1,896	1,776	1,815	1,748	1,786	1,711	1,849	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	633	593	603	654	674	763	925	884	751	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	3,074	2,584	2,499	2,430	2,489	2,511	2,711	2,595	2,600	NA	NA
Total Pet Imports, % of Demand	(Percent)	53.18	49.99	50.71	51.54	51.53	50.77	51.17	50.72	51.16	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	49.94	46.23	46.54	46.22	46.94	46.21	47.52	47.09	47.32	NA	NA
Natural Gas Exports	(bcf)	101	127	42	54	35	50	41	0	39	NA	NA
Natural Gas Imports	(bcf)	1,756	1,799	1,476	1,490	1,576	1,770	1,722	1,837	1,819	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc.,
British Petroleum, Energy Information Administration, Oil & Gas Journal

Germany

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	21	23	23	23	23	23	24	28	28	28	30	30	25
Offshore	1	1	1	1	1	1	0	0	0	0	0	0	1
Total	22	24	24	24	24	24	24	28	28	28	30	30	26
1982													
Land	30	30	30	30	30	30	31	31	31	31	31	31	31
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	30	30	30	30	30	30	31	31	31	31	31	31	31
1983													
Land	33	31	30	27	24	24	24	24	24	24	24	16	25
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	33	31	30	27	24	24	24	24	24	24	24	16	25
1984													
Land	16	16	15	15	19	14	14	20	23	23	25	25	19
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	16	15	15	19	14	14	20	23	23	25	25	19
1985													
Land	22	22	22	19	21	21	21	21	21	16	16	20	20
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	22	22	22	19	21	21	21	21	21	16	16	20	20
1986													
Land	24	22	22	23	23	18	17	16	16	15	15	12	19
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	24	22	22	23	23	18	17	16	16	15	15	12	19
1987													
Land	11	11	10	10	9	9	12	11	13	13	15	17	12
Offshore	0	0	0	0	0	0	0	0	0	0	1	1	0
Total	11	11	10	10	9	9	12	11	13	13	16	18	12
1988													
Land	13	12	10	9	9	10	10	10	10	6	4	4	9
Offshore	0	0	0	1	1	1	0	0	0	0	0	0	0
Total	13	12	10	10	10	11	10	10	10	6	4	4	9
1989													
Land	6	6	8	9	9	4	7	8	10	10	8	7	8
Offshore	0	0	0	0	0	1	1	1	0	0	1	1	0
Total	6	6	8	9	9	5	8	9	10	10	9	8	8
1990													
Land	10	9	9	12	9	9	6	6	6	6	8	8	8
Offshore	0	0	0	0	1	1	1	1	1	1	0	0	1
Total	10	9	9	12	10	10	7	7	7	7	8	8	9

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	147	147	147	148	146	146	147	147	149	147	147	147	147.2
1971	144	145	146	149	149	148	148	143	144	147	142	142	145.6
1972	139	140	140	135	140	140	138	138	137	137	137	137	138.1
1973	130	132	130	130	130	130	130	130	130	126	126	125	129.2
1974	125	125	125	123	123	122	120	117	120	120	121	120	121.8
1975	120	114	115	113	112	111	110	112	110	110	110	110	112.3
1976	110	110	110	110	110	110	110	110	110	110	110	110	110.0
1977	105	105	105	106	105	105	105	105	105	105	105	105	105.1
1978	105	105	101	100	100	99	98	98	100	100	100	100	100.5
1979	105	98	98	95	92	93	93	93	93	93	93	95	95.1
1980	90	90	92	92	91	91	90	89	89	88	88	88	89.8
1981	86	86	86	85	85	78	78	88	89	88	88	88	85.4
1982	87	87	87	81	81	80	80	80	81	81	81	80	82.2
1983	80	82	82	82	80	81	81	82	81	80	80	80	80.9
1984	80	80	80	79	79	78	78	78	80	79	80	84	79.6
1985	82	82	82	81	80	81	80	80	79	80	88	82	81.4
1986	83	83	83	83	82	80	79	78	77	75	75	75	79.4
1987	74	76	75	75	75	74	73	75	74	75	74	79	74.9
1988	79	76	77	79	78	76	79	78	76	77	77	76	77.3
1989	77	77	76	75	74	74	73	74	74	73	72	73	74.3
1990	72	72	71	72	72	74	73	71	71	71	69	68	71.3

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	47.9	47.4	49.6	53.2	41.5	36.6	42.9	37.2	39.6	40.2	30.6	43.3	510.0
1972	59.4	60.0	53.3	48.1	52.5	49.6	47.2	51.4	34.0	34.6	40.1	53.0	583.2
1973	56.0	35.3	38.1	56.5	56.0	50.2	48.7	41.7	46.2	50.4	61.2	49.8	590.1
1974	66.5	51.4	51.4	60.2	65.8	49.9	58.9	59.7	57.9	50.4	51.6	50.4	674.1
1975	51.1	48.8	56.9	66.8	46.9	46.9	46.9	56.2	68.2	68.2	66.8	66.7	690.4
1976	48.2	48.1	48.1	39.4	39.4	57.5	51.6	49.7	44.8	44.8	36.2	36.2	544.0
1977	54.1	57.8	69.6	161.9	175.5	161.2	43.7	36.6	33.6	34.5	40.2	44.0	912.7
1978	46.7	47.0	54.8	57.6	57.6	59.2	57.9	49.5	56.5	37.7	40.1	37.7	602.3
1979	46.0	40.4	57.5	66.0	72.8	72.2	56.6	56.6	60.6	60.6	60.0	60.0	709.3
1980	58.9	53.2	52.0	52.0	52.0	60.8	60.1	69.6	70.0	70.0	70.0	70.0	738.6
1981	59.9	60.0	63.0	63.0	63.0	63.0	63.0	40.0	40.0	40.0	40.0	41.0	635.9
1982	60.0	61.0	75.0	69.6	42.3	40.4	42.6	34.2	31.4	37.0	48.1	49.7	591.3
1983	49.7	61.6	61.3	43.7	38.7	31.9	33.8	32.8	34.1	52.6	73.1	86.9	600.2
1984	86.9	68.5	55.7	51.8	54.1	29.2	36.1	33.9	42.5	55.1	79.6	80.9	674.3
1985	82.3	70.9	61.7	52.2	40.4	36.3	30.9	30.1	29.6	53.1	67.9	52.6	608.0
1986	67.7	58.8	56.2	43.3	34.5	36.7	39.9	35.9	32.7	53.3	42.5	52.2	553.7
1987	84.6	54.5	54.7	53.0	62.7	65.2	40.7	47.6	46.8	49.1	49.8	50.4	659.1
1988	59.2	58.2	58.4	50.3	31.9	30.1	44.9	36.6	32.0	40.2	55.3	54.6	551.7
1989	62.4	51.8	47.1	54.6	35.7	39.8	31.2	37.0	39.3	46.9	58.0	63.3	567.1
1990	59.2	51.5	57.0	47.7	36.6	35.2	28.7	36.7	39.2	49.1	59.3	65.4	565.6

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Germany

Selected Petroleum Prices
January 1 *
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1978	1.75	1.48	0.58	NA	NA	21.84	15.59
1979	2.06	1.77	1.04	NA	NA	38.64	20.62
1980	2.43	2.10	1.29	NA	NA	47.88	28.01
1981	2.43	2.26	1.29	NA	NA	44.52	34.33
1982	2.17	1.81	1.23	NA	NA	45.78	24.48
1983	2.27	2.12	1.21	NA	0.84	39.48	30.17
1984	1.88	1.74	1.03	NA	0.70	37.38	26.40
1985	1.66	1.18	1.29	NA	0.80	37.80	32.05
1986	2.04	1.70	1.00	NA	NA	36.72	25.68
1987	2.09	1.67	0.74	NA	NA	28.56	18.12
1988	2.18	1.75	0.17	NA	NA	26.24	16.10
1989	2.53	1.71	0.82	0.75	0.75	30.66	17.02
1990	2.72	1.91	0.95	NA	NA	35.11	20.31

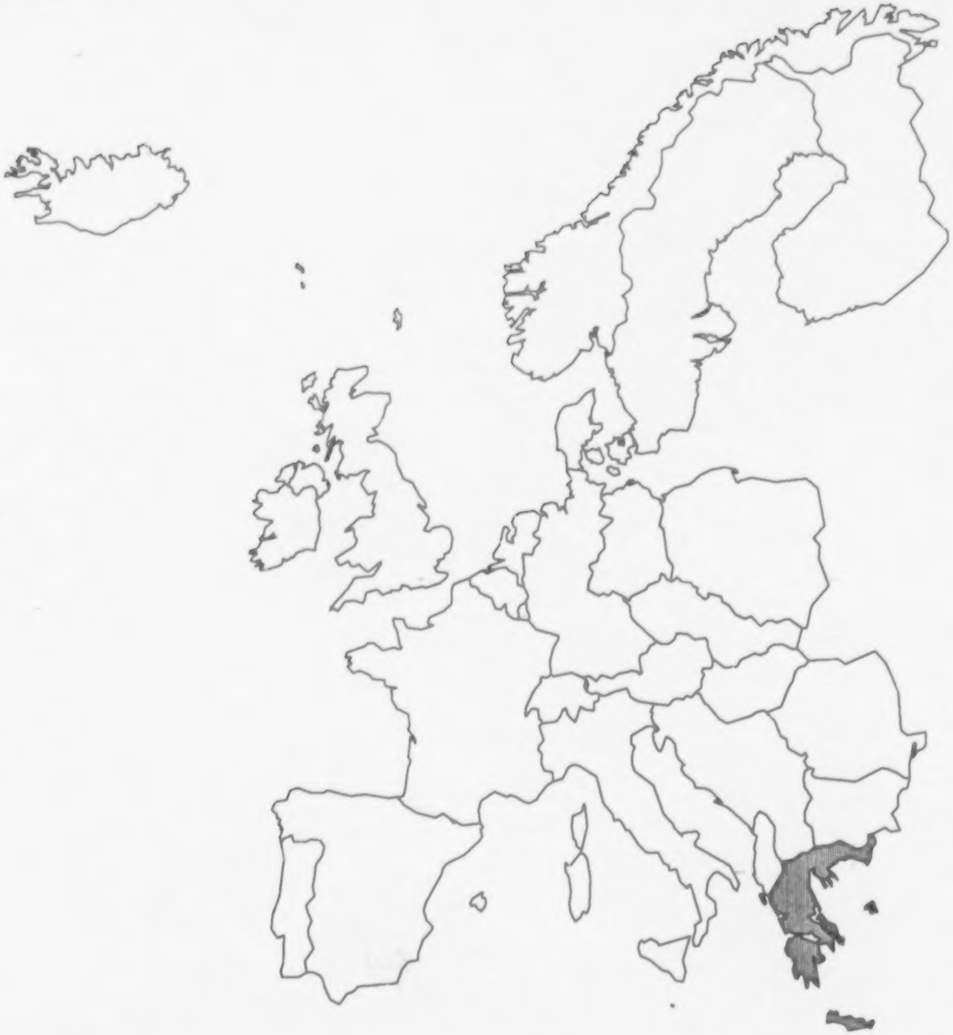
* Data from 1978-1980 are yearly averages.
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Greece

Size (Square Miles): 50,944
Location: Western Europe



Greece

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	8,773	8,793	8,831	8,889	8,929	8,962	9,047	9,167	9,309	9,430	9,548
GNP (Mill US Dollars)	9,050	10,147	11,273	12,910	16,780	19,403	21,573	23,272	26,982	32,493	39,746
GNP per Capita (US Dollars)	1,060	1,170	1,300	1,460	1,720	1,940	2,370	2,650	2,850	3,270	3,860
Consumer Price Index (1987=100)	7.0	7.2	7.4	7.7	8.9	11.3	12.8	14.6	16.3	18.4	21.9

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	9,643	9,729	9,790	9,847	9,896	9,934	9,964	9,990	10,013	10,039
GNP (Mill US Dollars)	41,471	38,064	39,407	35,296	33,770	33,175	38,663	45,725	52,089	52,927
GNP per Capita (US Dollars)	4,370	4,470	4,320	3,950	3,800	3,610	3,650	3,990	4,770	5,340
Consumer Price Index (1987=100)	27.3	34.0	41.1	49.4	58.5	69.8	85.9	100.0	113.5	129.1

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Greece

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Coal	Primary Energy
1980	0.56	0.15	0.71
1981	0.54	0.16	0.70
1982	0.51	0.14	0.65
1983	0.49	0.16	0.65
1984	0.50	0.20	0.70
1985	0.52	0.24	0.76
1986	0.53	0.25	0.78
1987	0.57	0.27	0.84
1988	0.60	0.28	0.88
1989	0.62	0.28	0.90

Coal Production

1973	0.07
1974	0.07
1975	0.09
1976	0.12
1977	0.12
1978	0.12
1979	0.12
1980	0.12
1981	0.14
1982	0.14
1983	0.16
1984	0.17
1985	0.19
1986	0.20
1987	0.24
1988	0.24
1989	0.24

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Greece

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	3	6	5	3	4	1	0	2	2	1	0
Well Completions	**(Total)**	19	11	18	8	6	7	2	3	NA	4	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	150	150	73	60	51	51	35	26	22	20	73
Nat. Gas Reserves, Beginning of Year	**(bcf)**	4,000	4,000	3,800	3,500	3,470	3,440	3,000	NA	20	140	210
Crude Oil Production	**(000 b/d)**	1	8	21	24	26	26	25	24	21	18	15
Nat. Gas Production	**(bcf)**	NA	NA	NA	0	2	1	2	4	3	3	3
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	431	428	427	422	369	390	390	385	385	385	385
Ethylene Capacity	**(000 Tons/Yr)**	NA	15	15	15	15	15	15	15	15	15	15
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	33	39	43	43	46	48	44	47	50	NA	NA
Middle Distillate Demand	**(000 b/d)**	74	67	74	75	79	83	82	93	97	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	109	89	88	79	70	70	77	81	83	NA	NA
Total Product Demand	**(000 b/d)**	262	254	242	233	235	245	248	267	285	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	63	*	17	1	15	15	41	25	23	NA	NA
Pet Product Exports	**(000 b/d)**	155	160	161	130	97	77	116	124	107	NA	NA
Total Pet Exports	**(000 b/d)**	218	160	178	131	112	92	157	149	130	NA	NA
Crude Oil Imports	**(000 b/d)**	365	368	294	247	246	227	337	302	282	NA	NA
Pet Product Imports	**(000 b/d)**	123	75	93	84	63	75	64	74	90	NA	NA
Total Pet Imports	**(000 b/d)**	488	443	387	331	309	302	401	376	372	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	302	368	277	246	231	212	296	277	259	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	(32)	(85)	(68)	(46)	(34)	(2)	(52)	(50)	(17)	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	270	283	209	200	197	210	244	227	242	NA	NA
Total Pet Imports, % of Demand	**(Percent)**	95.31	89.68	80.29	71.49	65.74	61.63	80.52	70.02	65.84	NA	NA
Net Tot Pet Impts (Expts), % of Demand	**(Percent)**	52.73	57.29	43.36	43.20	41.91	42.86	49.00	42.27	42.83	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Greece

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	1	3	3	3	3	3	3	3	3	3	3	3	3
Offshore	2	3	3	3	3	3	3	3	3	3	3	3	3
Total	3	6	6	6	6	6	6	6	6	6	6	6	6
1982													
Land	3	3	3	3	3	2	2	2	2	2	2	2	2
Offshore	3	3	3	3	3	2	2	2	2	2	2	2	2
Total	6	6	6	6	6	4	4	4	4	4	4	4	4
1983													
Land	2	2	2	2	2	2	2	2	2	2	2	2	2
Offshore	2	2	1	1	1	1	1	1	1	1	1	1	1
Total	4	4	3	3	3	3	3	3	3	3	3	3	3
1984													
Land	2	3	3	3	3	3	3	3	3	3	3	3	3
Offshore	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	3	4	4	4	4	4	4	4	4	4	4	4	4
1985													
Land	3	3	3	0	0	0	0	0	0	0	0	0	1
Offshore	1	1	1	0	0	0	0	0	0	0	0	0	0
Total	4	4	4	0	0	0	0	0	0	0	0	0	1
1986													
Land	0	0	0	0	0	0	0	0	0	0	1	1	0
Offshore	0	0	0	0	0	0	0	0	0	0	1	1	0
Total	0	0	0	0	0	0	0	0	0	0	2	2	0
1987													
Land	2	2	2	2	1	1	2	2	2	2	2	2	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	2	1	1	2	2	2	2	2	2	2
1988													
Land	2	2	2	2	2	2	2	2	2	2	2	2	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	2	2	2	2	2	2	2	2	2	2
1989													
Land	2	2	2	2	2	2	0	0	0	0	0	0	1
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	2	2	2	0	0	0	0	0	0	1
1990													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Greece

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.3
1981	NA	NA	NA	NA	NA	5	15	15	15	15	15	15	7.9
1982	21	21	21	21	21	21	21	21	21	21	21	21	21.0
1983	21	21	21	24	24	24	25	25	25	25	25	25	23.8
1984	27	20	27	26	27	28	26	27	27	27	28	26	26.3
1985	27	27	27	25	28	25	27	27	28	18	27	28	26.2
1986	28	27	27	24	24	24	24	24	24	20	24	24	24.5
1987	25	24	25	25	23	23	24	24	20	25	22	25	23.8
1988	22	23	21	22	21	21	22	21	18	17	21	19	20.7
1989	22	17	17	17	22	16	16	17	22	18	19	16	18.3
1990	18	15	15	13	14	14	14	15	17	15	15	15	15.0

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.7
1985	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1.3
1986	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.3	0.3	1.9
1987	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	3.5
1988	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	3.3
1989	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	3.1
1990	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	3.1

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Greece

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	2.91	1.38	NA	1.76	1.27	NA	29.16
1982	NA	NA	NA	NA	NA	NA	NA
1983	2.68	1.31	1.21	NA	1.27	NA	30.37
1984	1.85	0.90	NA	1.02	0.87	NA	21.63
1985	1.90	0.78	NA	0.76	0.89	NA	28.29
1986	2.04	1.04	1.06	NA	NA	44.52	29.10
1987	2.16	1.05	1.05	NA	NA	44.10	28.52
1988	2.15	1.05	1.05	NA	NA	36.58	26.74
1989	2.15	1.05	1.05	1.77	0.78	44.10	28.34
1990	2.16	0.89	0.90	0.79	0.76	37.80	24.31

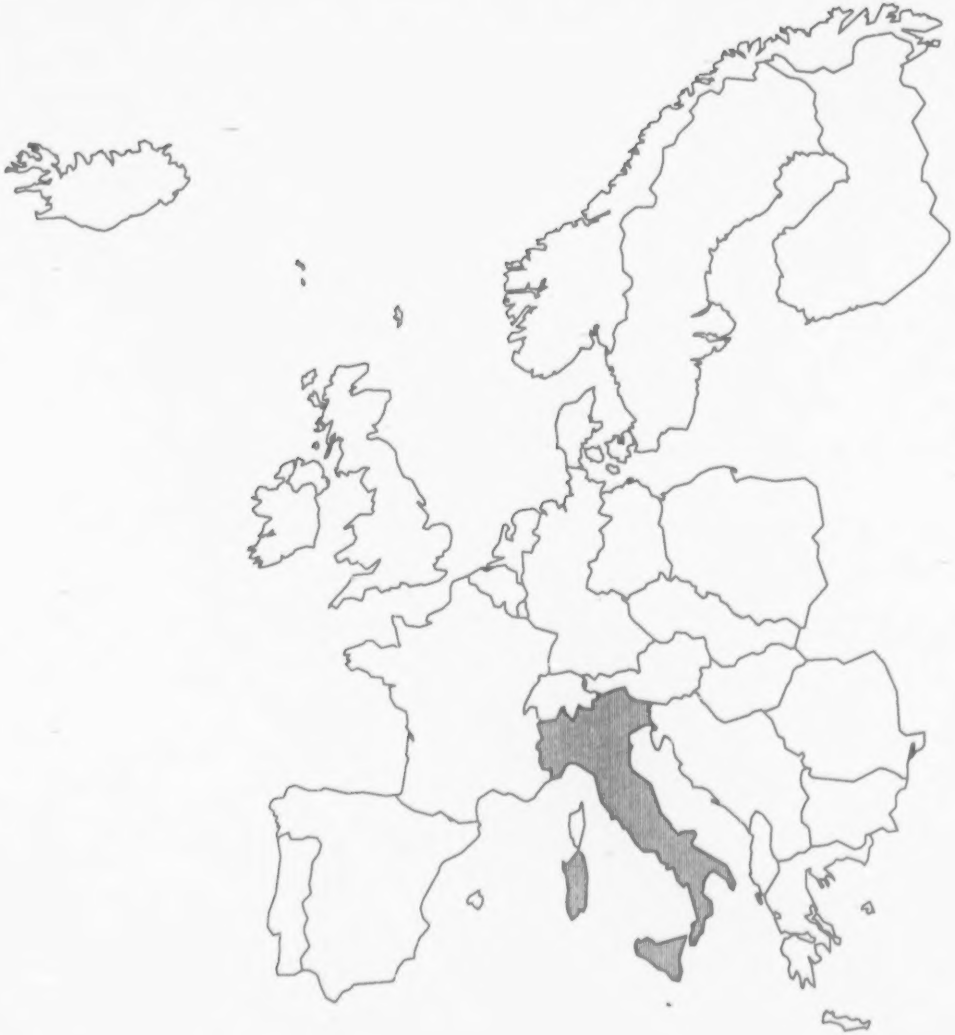
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Italy

Size (Square Miles): 116,320
Location: Western Europe



Italy

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	53,538	53,822	54,074	54,381	54,751	55,111	55,441	55,718	55,955	56,155	56,318
GNP (Mill US Dollars)	95,784	107,698	118,298	137,425	166,396	187,750	211,725	209,486	242,755	298,558	373,613
GNP per Capita (US Dollars)	1,830	1,990	2,150	2,380	2,840	3,370	3,700	4,040	4,390	4,890	6,080
Consumer Price Index (1987=100)	12.4	13.0	13.6	14.4	16.0	19.0	22.3	26.0	30.4	34.1	39.1

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	56,434	56,508	56,640	56,836	57,005	57,141	57,246	57,345	57,441	57,537
GNP (Mill US Dollars)	453,668	406,253	400,404	414,196	411,164	422,779	596,558	750,587	826,329	859,988
GNP per Capita (US Dollars)	7,480	8,030	7,920	7,550	7,610	7,720	8,570	10,410	13,350	15,150
Consumer Price Index (1987=100)	47.3	55.8	65.0	74.6	82.6	90.2	95.5	100.0	105.0	111.6

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Italy

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	4.12	1.07	0.50	0.54	0.09	6.31
1981	3.99	0.97	0.55	0.52	0.11	6.15
1982	3.80	0.97	0.55	0.51	0.16	5.98
1983	3.72	1.00	0.51	0.51	0.17	5.91
1984	3.50	1.17	0.57	0.53	0.23	5.99
1985	3.62	1.23	0.62	0.52	0.26	6.24
1986	3.67	1.27	0.59	0.52	0.28	6.33
1987	3.93	1.40	0.58	0.51	0.19	6.61
1988	3.89	1.48	0.49	0.52	0.19	6.57
1989	4.09	1.54	0.53	0.48	0.22	6.85

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	0.06	0.56	NA	0.40	0.04	1.06
1974	0.06	0.56	NA	0.41	0.04	1.07
1975	0.04	0.53	0.02	0.44	0.05	1.08
1976	0.05	0.57	0.02	0.42	0.05	1.11
1977	0.04	0.50	0.02	0.55	0.04	1.15
1978	0.07	0.50	0.02	0.49	0.05	1.13
1979	0.08	0.47	0.02	0.50	0.03	1.10
1980	0.09	0.43	0.02	0.49	0.03	1.06
1981	0.08	0.51	0.02	0.47	0.03	1.11
1982	0.08	0.52	0.02	0.46	0.08	1.16
1983	0.10	0.47	0.02	0.45	0.07	1.11
1984	0.10	0.50	0.02	0.47	0.08	1.17
1985	0.10	0.52	0.02	0.46	0.08	1.18
1986	0.10	0.58	0.02	0.46	0.10	1.26
1987	0.15	0.59	0.01	0.44	*	1.19
1988	0.20	0.60	0.02	0.45	0.00	1.27
1989	0.20	0.62	0.01	0.42	0.00	1.25

* Denotes less than 5 trillion Btu.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Italy

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	19	32	38	26	26	40	33	26	24	22	21
Well Completions	(Total)	85	108	161	118	104	142	200	181	NA	87	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	645	640	625	703	800	800	740	722	739	739	727
Nat. Gas Reserves, Beginning of Year	(bcf)	3,500	3,500	3,650	4,320	4,340	4,360	5,000	8,000	10,200	10,240	11,693
Crude Oil Production	(000 b/d)	39	37	37	45	45	38	49	58	84	87	98
Nat. Gas Production	(bcf)	525	500	501	457	507	489	527	696	704	707	737
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	4,131	4,092	4,003	3,283	3,050	3,095	2,738	2,679	2,581	2,450	2,472
Ethylene Capacity	(000 Tons/Yr)	NA	2,250	2,070	1,980	1,485	1,485	1,485	1,485	1,845	1,845	1,845
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	290	287	282	272	272	285	280	285	290	NA	NA
Middle Distillate Demand	(000 b/d)	493	489	488	489	516	559	530	605	568	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	623	730	725	667	518	497	559	612	574	NA	NA
Total Product Demand	(000 b/d)	1,876	1,906	1,783	1,732	1,636	1,666	1,697	1,855	1,836	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	11	5	0	0	0	6	9	NA	NA
Pet Product Exports	(000 b/d)	246	262	294	262	222	241	338	302	313	NA	NA
Total Pet Exports	(000 b/d)	246	262	305	267	222	241	338	308	322	NA	NA
Crude Oil Imports	(000 b/d)	1,807	1,702	1,730	1,550	1,337	1,282	1,446	1,341	1,269	NA	NA
Pet Product Imports	(000 b/d)	405	307	338	310	510	569	533	664	643	NA	NA
Total Pet Imports	(000 b/d)	2,212	2,009	2,068	1,860	1,847	1,851	1,979	2,005	1,912	NA	NA
Net Crude Imports (Exports)	(000 b/d)	1,807	1,702	1,719	1,545	1,337	1,282	1,446	1,335	1,260	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	159	45	44	48	288	328	195	362	330	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	1,966	1,747	1,763	1,593	1,625	1,610	1,641	1,697	1,590	NA	NA
Total Pet Imports, % of Demand	(Percent)	57.51	52.24	57.00	52.36	54.79	54.51	57.08	54.12	51.45	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	51.12	45.42	48.59	44.85	48.21	47.41	47.33	45.80	42.79	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	658	493	522	550	682	720	705	823	881	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc.,
British Petroleum, Energy Information Administration, Oil & Gas Journal

Italy

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	17	25	25	25	25	25	25	25	25	25	25	25	24
Offshore	8	7	7	7	7	7	7	7	7	8	8	8	7
Total	25	32	32	32	32	32	32	32	32	33	33	33	31
1982													
Land	25	25	25	36	36	36	36	36	27	27	27	30	31
Offshore	8	8	8	7	7	7	7	7	7	7	7	7	7
Total	33	33	33	43	43	43	43	43	34	34	34	37	38
1983													
Land	30	30	26	18	18	18	15	15	15	15	15	18	19
Offshore	7	7	7	9	9	9	5	5	5	5	5	7	7
Total	37	37	33	27	27	27	20	20	20	20	20	25	26
1984													
Land	18	18	17	17	17	17	17	23	23	23	23	30	20
Offshore	7	7	6	6	6	6	6	6	6	6	6	5	6
Total	25	25	23	23	23	23	23	29	29	29	29	35	26
1985													
Land	30	30	30	30	28	28	32	32	32	32	32	32	31
Offshore	5	5	5	5	10	10	11	11	11	12	12	12	9
Total	35	35	35	35	38	38	43	43	43	44	44	44	40
1986													
Land	32	32	32	32	32	20	21	18	18	18	18	18	24
Offshore	12	12	12	12	12	9	9	6	6	6	6	6	9
Total	44	44	44	44	44	29	30	24	24	24	24	24	33
1987													
Land	20	20	24	25	18	15	20	21	22	20	22	18	20
Offshore	7	7	7	7	5	5	5	5	4	5	5	5	6
Total	27	27	31	32	23	20	25	26	26	25	27	23	26
1988													
Land	16	16	23	22	16	14	13	11	14	16	20	21	17
Offshore	5	5	4	2	4	12	14	14	6	7	6	7	7
Total	21	21	27	24	20	26	27	25	20	23	26	28	24
1989													
Land	21	22	21	21	17	17	14	16	16	15	15	14	17
Offshore	7	7	6	6	7	7	4	4	3	3	3	2	5
Total	28	29	27	27	24	24	18	20	19	18	18	16	22
1990													
Land	17	17	18	15	15	15	15	15	15	15	22	17	16
Offshore	2	2	5	5	5	5	5	5	5	5	5	6	5
Total	19	19	23	20	20	20	20	20	20	20	27	23	21

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Italy

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	30	30	30	30	30	30	30	28	28	28	28	28	29.0
1971	24	24	24	24	24	23	23	25	25	25	24	24	24.1
1972	24	25	25	25	25	20	20	20	20	20	20	20	22.0
1973	20	20	20	20	20	20	20	20	22	15	15	15	18.9
1974	15	15	15	15	15	20	20	20	20	20	20	20	17.9
1975	20	20	20	20	20	20	20	20	18	18	18	18	19.3
1976	18	18	18	18	18	18	18	20	20	20	20	20	18.8
1977	20	20	20	20	20	20	20	20	18	18	18	18	19.3
1978	17	17	17	17	17	17	17	17	17	17	17	17	17.0
1979	17	30	30	30	30	30	30	30	33	33	33	33	29.9
1980	38	38	38	38	38	38	40	40	40	40	40	35	38.6
1981	40	40	40	40	40	40	40	22	35	35	35	35	36.8
1982	35	38	31	31	33	32	27	34	42	48	45	45	36.8
1983	45	45	45	45	45	45	45	45	45	45	45	45	45.0
1984	45	45	45	45	45	45	45	45	45	45	45	45	45.0
1985	45	34	35	35	35	35	35	35	40	40	40	47	38.0
1986	46	46	46	50	50	50	50	50	50	50	50	50	49.0
1987	50	50	50	50	50	50	50	50	60	80	80	80	58.3
1988	72	92	94	80	82	82	82	80	104	95	82	60	83.8
1989	58	60	80	100	100	100	100	100	100	80	80	80	86.5
1990	90	90	90	100	100	100	100	100	100	100	100	100	97.5

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	38.3	37.7	42.1	38.0	40.0	40.6	40.7	34.1	34.2	35.2	31.8	28.1	440.8
1972	37.0	37.1	40.8	45.8	43.1	43.2	41.4	40.0	39.3	40.1	35.5	38.7	482.0
1973	46.0	30.0	29.4	42.0	41.9	40.0	39.4	40.6	42.1	46.7	38.6	50.2	486.9
1974	46.7	49.6	52.4	49.3	50.0	49.9	55.1	58.2	45.1	32.9	33.0	50.0	572.2
1975	36.0	51.1	54.2	56.0	54.1	48.0	48.5	41.3	41.3	37.4	32.5	32.5	532.9
1976	34.0	45.6	53.1	59.2	54.1	46.4	52.9	46.8	46.8	45.8	38.2	38.2	562.1
1977	34.0	34.0	40.9	44.7	40.9	55.0	40.1	40.8	32.2	25.6	30.4	30.0	448.6
1978	34.4	35.6	37.0	36.9	49.6	48.4	48.5	43.9	272.3	44.9	44.9	46.9	743.3
1979	47.0	46.9	46.8	46.0	45.8	39.4	39.8	39.8	40.4	50.0	45.7	46.0	533.6
1980	57.9	57.9	50.0	50.0	50.0	40.1	31.0	35.1	36.6	36.0	40.0	40.0	524.6
1981	40.0	40.0	40.0	40.0	40.0	40.0	40.0	49.0	49.0	40.0	40.0	42.0	500.0
1982	38.0	51.2	56.6	46.3	43.9	38.9	34.7	34.7	33.6	32.7	44.4	45.9	500.9
1983	53.8	48.4	44.6	36.1	35.4	31.4	28.0	28.0	30.3	31.0	41.6	48.3	456.9
1984	48.3	44.7	41.1	44.7	41.1	36.5	37.7	37.7	36.5	37.7	46.2	54.6	506.8
1985	54.7	50.6	50.5	48.9	38.0	35.0	35.0	32.5	33.7	34.8	36.2	39.2	489.1
1986	39.5	35.7	40.5	39.0	40.7	39.4	40.7	41.8	45.0	50.3	55.8	58.9	527.3
1987	58.9	53.2	63.7	62.7	61.2	54.3	57.9	53.4	54.0	58.9	58.0	59.7	695.9
1988	60.0	56.1	61.3	58.3	61.3	58.1	55.7	51.0	58.6	60.6	61.0	61.7	703.7
1989	62.7	56.6	62.1	60.1	59.1	57.0	57.1	52.2	55.5	60.8	58.9	65.3	707.4
1990	65.0	58.7	65.0	64.7	61.1	59.1	61.2	61.2	59.2	61.2	59.2	61.2	736.8

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Italy

Selected Petroleum Prices
January 1 *
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1978	2.23	0.64	0.66	NA	NA	24.78	13.06
1979	2.47	0.80	0.84	NA	NA	30.66	17.94
1980	3.10	1.21	1.34	NA	NA	49.56	27.27
1981	3.38	1.35	1.20	1.12	1.82	44.52	35.98
1982	2.88	1.19	1.31	NA	NA	48.72	26.67
1983	3.30	1.64	1.06	1.79	1.50	49.98	37.22
1984	2.96	1.41	0.94	1.45	1.63	47.88	30.98
1985	2.52	0.96	1.23	1.09	1.10	47.46	30.02
1986	3.09	1.40	1.48	1.58	1.33	52.92	23.88
1987	3.71	1.55	1.63	1.56	1.46	1.38	15.60
1988	4.09	1.77	1.86	NA	NA	66.36	12.99
1989	3.91	1.82	1.99	1.67	1.57	70.14	15.15
1990	4.27	2.34	2.53	2.00	1.84	89.04	24.00

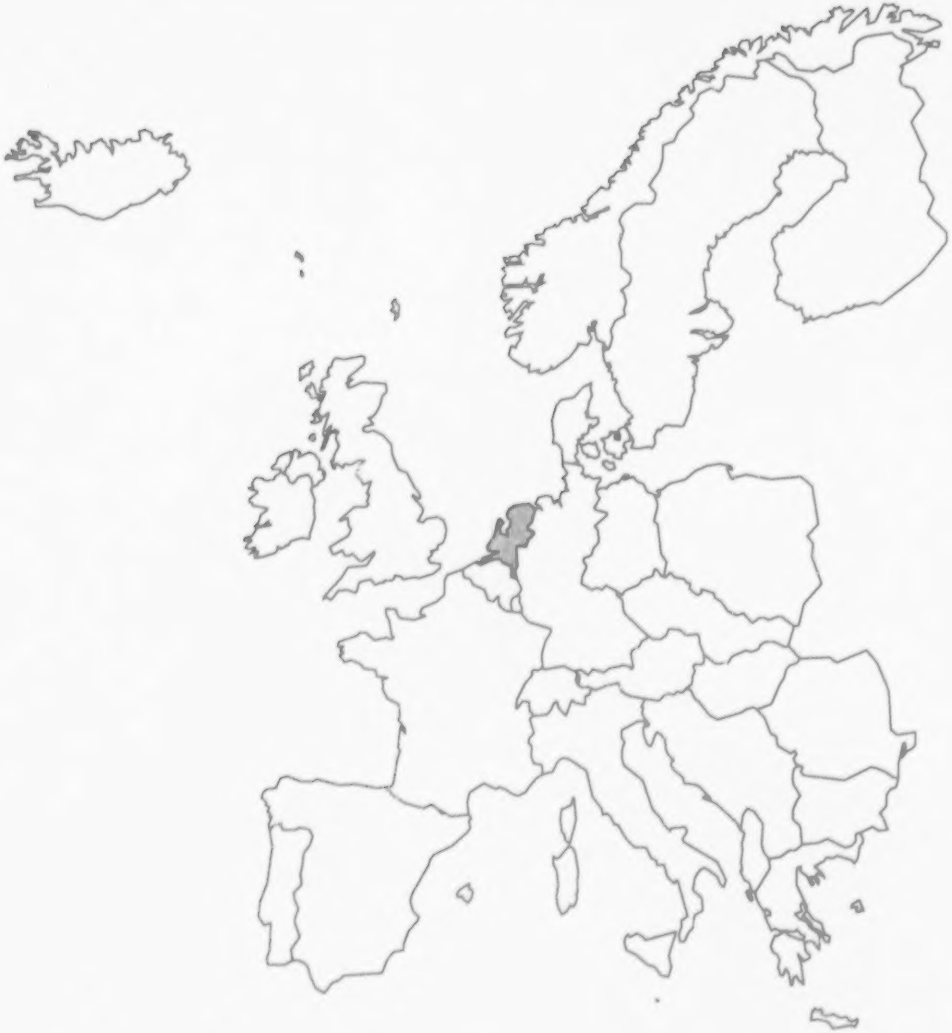
* Data for 1978-1980 are yearly averages.
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Netherlands

Size (Square Miles): 16,133
Location: Western Europe



Netherlands

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	12,878	13,039	13,195	13,329	13,439	13,545	13,666	13,774	13,856	13,942	14,038
GNP (Mill US Dollars)	30,050	33,218	39,031	48,296	63,339	74,888	86,933	95,470	107,996	137,190	156,811
GNP per Capita (US Dollars)	2,320	2,500	2,830	3,210	4,020	5,210	6,060	6,850	7,670	8,780	10,410
Consumer Price Index (1987=100)	39.0	40.4	43.5	46.8	50.6	55.5	61.1	66.7	71.0	73.9	77.0

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	14,150	14,247	14,313	14,367	14,424	14,492	14,572	14,665	14,758	14,828
GNP (Mill US Dollars)	168,925	140,768	138,022	133,902	124,925	126,157	174,543	212,069	226,899	222,552
GNP per Capita (US Dollars)	12,020	11,810	10,930	10,070	9,670	9,340	10,040	11,740	14,510	16,010
Consumer Price Index (1987=100)	82.0	87.6	92.7	95.3	98.4	100.6	100.7	100.0	100.7	101.8

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Netherlands

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Nuclear Electric Power	Primary Energy
1980	1.67	1.02	0.26	0.05	2.99
1981	1.51	1.35	0.30	0.04	3.21
1982	1.33	1.46	0.25	0.04	3.08
1983	1.26	1.32	0.21	0.04	2.84
1984	1.24	1.35	0.30	0.05	2.94
1985	1.27	1.22	0.30	0.05	2.84
1986	1.40	1.34	0.27	0.06	3.06
1987	1.40	1.45	0.29	0.05	3.20
1988	1.49	1.35	0.31	0.06	3.20
1989	1.47	1.41	0.34	0.06	3.27

Production

	Natural Gas	Nuclear Electric Power	Other	Primary Energy
1973	2.38	0.01	0.13	2.52
1974	2.73	0.03	0.10	2.86
1975	3.05	0.03	0.08	3.16
1976	3.33	0.04	0.07	3.44
1977	2.79	0.04	0.07	2.90
1978	2.38	0.04	0.07	2.49
1979	2.59	0.03	0.07	2.69
1980	3.21	0.04	0.07	3.32
1981	3.00	0.04	0.06	3.10
1982	2.54	0.04	0.09	2.67
1983	2.45	0.04	0.13	2.62
1984	2.52	0.04	0.15	2.71
1985	2.59	0.04	0.19	2.82
1986	2.44	0.04	0.23	2.71
1987	2.53	0.04	0.21	2.78
1988	2.33	0.04	0.18	2.55
1989	2.41	0.04	0.17	2.62

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Netherlands

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Well Completions	(Total)	128	102	109	70	50	48	23	33	NA	73	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	60	285	345	294	309	310	251	195	195	206	170
Nat. Gas Reserves, Beginning of Year	(bcf)	59,500	62,000	55,700	51,920	50,050	68,482	67,070	70,400	64,100	62,507	61,100
Crude Oil Production	(000 b/d)	25	27	28	50	61	67	76	91	76	67	68
Nat. Gas Production	(bcf)	2,800	3,054	2,713	2,697	2,701	2,916	2,623	2,731	2,413	2,581	2,618
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	1,828	1,827	1,708	1,552	1,552	1,499	1,468	1,401	1,381	1,381	1,381
Ethylene Capacity	(000 Tons/Yr)	NA	2,725	2,260	2,260	2,260	2,260	2,260	2,285	2,325	2,360	2,450
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	91	99	91	87	88	68	98	96	79	NA	NA
Middle Distillate Demand	(000 b/d)	141	105	131	135	135	138	148	143	150	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	250	232	212	156	114	124	174	167	189	NA	NA
Total Product Demand	(000 b/d)	727	657	639	613	608	622	684	686	716	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	*	1	1	5	7	27	24	17	17	NA	NA
Pet Product Exports	(000 b/d)	808	846	961	1,061	1,086	1,067	1,183	1,180	1,151	NA	NA
Total Pet Exports	(000 b/d)	808	847	962	1,066	1,093	1,094	1,207	1,197	1,168	NA	NA
Crude Oil Imports	(000 b/d)	1,026	798	762	826	858	755	893	891	967	NA	NA
Pet Product Imports	(000 b/d)	378	675	760	767	767	860	946	854	846	NA	NA
Total Pet Imports	(000 b/d)	1,404	1,473	1,522	1,593	1,625	1,615	1,839	1,745	1,813	NA	NA
Net Crude Imports (Exports)	(000 b/d)	1,026	797	761	821	851	728	869	874	950	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(430)	(171)	(201)	(294)	(319)	(207)	(237)	(326)	(305)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	596	626	560	527	532	521	632	548	645	NA	NA
Total Pet Imports, % of Demand	(Percent)	91.94	105.06	117.62	128.68	131.79	128.48	132.88	125.45	124.52	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	39.03	44.65	43.28	42.57	43.15	41.45	45.66	39.40	44.30	NA	NA
Natural Gas Exports	(bcf)	1,860	1,824	1,281	1,304	1,370	1,524	1,234	1,211	1,112	NA	NA
Natural Gas Imports	(bcf)	195	104	126	95	112	63	59	67	74	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Netherlands

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	39	39	39	39	40	40	40	37	36	36	36	36	38.1
1971	34	34	33	34	34	34	34	33	32	30	33	31	32.9
1972	33	34	32	32	31	31	29	31	29	32	32	31	31.3
1973	33	30	28	31	30	30	27	31	34	27	26	26	29.4
1974	28	32	30	30	30	30	30	25	39	39	24	24	30.1
1975	30	34	31	34	34	27	30	28	28	28	31	31	30.5
1976	31	26	30	30	30	30	30	30	29	33	35	35	30.8
1977	30	32	31	31	29	31	30	32	25	27	30	30	29.8
1978	30	30	29	33	28	32	28	30	30	24	30	31	29.6
1979	31	31	32	32	32	32	32	32	25	25	25	25	29.5
1980	25	25	24	24	26	26	26	25	25	25	25	27	25.3
1981	25	25	25	25	27	27	28	28	28	27	27	27	26.6
1982	27	27	28	28	28	28	28	28	28	28	28	28	27.8
1983	28	46	46	46	45	45	45	45	65	64	61	61	49.8
1984	61	60	61	61	61	61	61	61	61	61	59	59	60.6
1985	59	59	59	59	67	67	73	73	70	70	73	73	66.8
1986	73	73	73	81	81	81	81	81	73	73	73	73	76.3
1987	95	95	95	95	95	88	89	92	88	88	88	83	90.9
1988	82	80	46	81	78	77	81	79	75	76	74	78	75.6
1989	71	71	70	70	68	67	65	65	65	65	66	65	67.3
1990	64	64	75	73	72	69	69	67	66	65	65	63	67.7

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	279.6	130.7	148.6	141.5	97.6	100.9	94.6	112.8	113.0	113.9	154.5	202.7	1,690.4
1972	179.2	180.0	184.3	168.8	195.5	195.5	195.5	201.0	140.0	141.0	150.0	120.0	2,050.8
1973	123.0	246.6	246.8	245.3	246.1	246.2	251.1	249.2	193.9	200.7	140.1	200.7	2,589.7
1974	241.0	241.0	266.1	271.2	305.5	264.6	203.2	135.3	229.5	234.2	241.7	234.2	2,867.5
1975	214.9	289.3	289.3	343.3	310.7	332.4	332.5	231.9	231.9	170.0	170.0	282.5	3,198.7
1976	282.5	323.7	354.0	363.5	363.6	360.0	360.0	360.0	209.7	188.6	188.6	188.6	3,542.8
1977	267.6	272.8	321.4	363.2	360.0	308.6	245.1	170.9	170.8	140.1	152.0	160.0	2,932.5
1978	171.2	180.2	297.0	164.9	110.6	81.2	81.7	81.7	81.0	110.0	147.0	147.0	1,653.5
1979	149.0	140.9	140.9	268.4	260.7	250.1	241.0	241.0	265.8	260.6	250.4	249.0	2,717.8
1980	240.0	234.0	230.0	230.0	231.0	274.6	260.0	220.0	220.0	220.0	220.0	220.0	2,799.6
1981	294.8	295.0	295.0	300.0	329.0	330.0	330.0	215.0	215.0	145.0	145.0	160.0	3,053.8
1982	388.0	341.6	387.5	232.8	162.4	129.0	106.6	103.1	141.8	174.1	227.0	319.3	2,713.2
1983	286.4	330.0	312.5	247.2	214.7	152.3	119.4	115.2	164.6	180.7	250.2	324.0	2,697.2
1984	380.7	353.5	336.4	232.4	179.2	145.7	111.5	114.2	148.8	188.6	232.3	277.4	2,700.7
1985	453.8	375.4	352.7	230.1	188.8	147.7	103.8	106.3	135.9	187.8	330.6	303.5	2,916.4
1986	326.0	382.3	275.2	230.0	126.5	130.3	113.2	107.9	168.2	185.4	252.2	326.1	2,623.3
1987	413.8	334.2	362.5	183.5	168.5	130.7	114.4	109.0	125.0	195.2	285.9	308.5	2,731.2
1988	266.7	292.1	265.7	172.8	135.1	128.4	111.8	107.0	150.4	207.3	288.5	287.1	2,412.9
1989	290.0	290.9	267.9	245.3	154.4	130.1	105.8	114.4	142.7	206.6	296.8	336.2	2,581.1
1990	341.3	252.7	243.3	192.5	132.8	125.0	115.8	117.6	184.2	248.1	296.8	368.0	2,618.1

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Netherlands

Selected Petroleum Prices
January 1 *
US Dollars

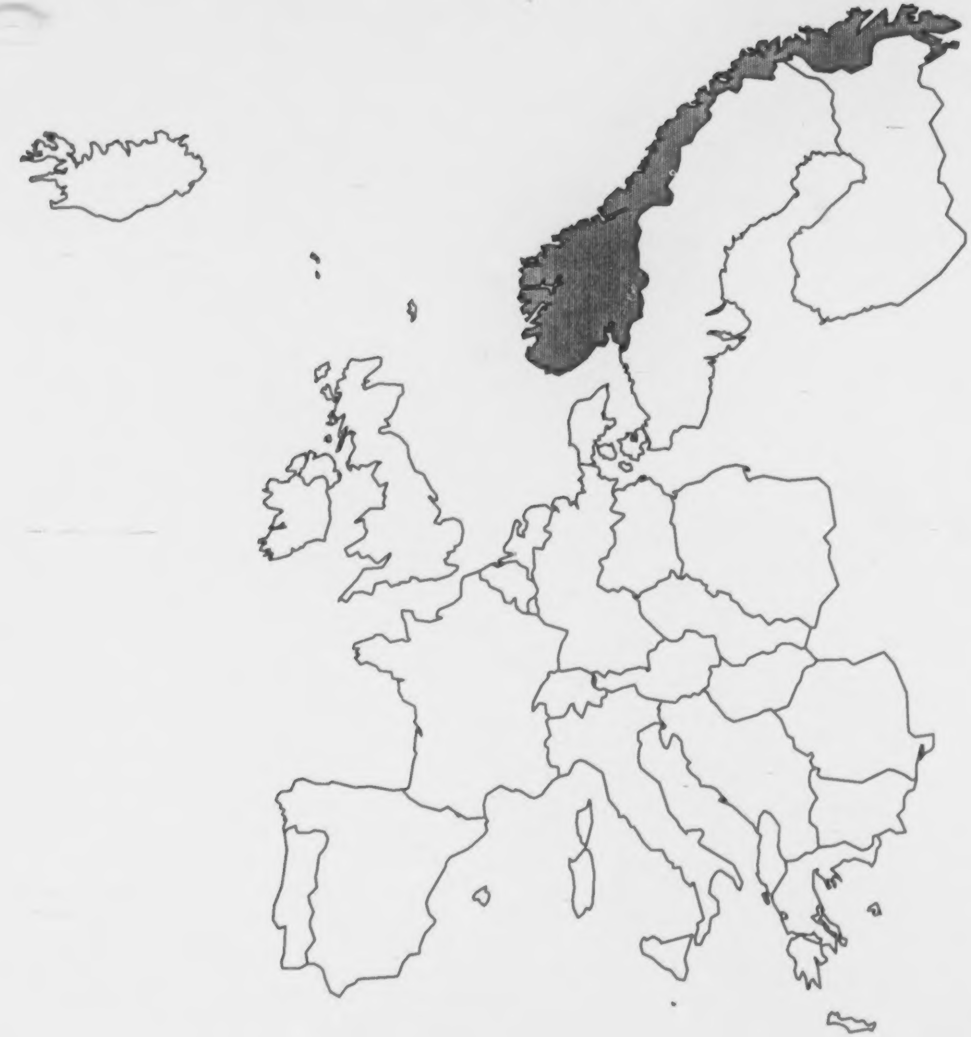
	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1978	1.89	0.92	0.67	NA	NA	22.68	14.89
1979	2.25	1.20	0.92	NA	NA	31.50	17.84
1980	2.73	1.56	1.35	NA	NA	47.04	28.04
1981	2.71	1.81	1.36	1.77	NA	44.52	35.00
1982	2.50	1.81	1.42	1.62	NA	46.20	29.77
1983	2.44	1.73	1.34	1.42	NA	41.16	28.11
1984	2.30	1.50	0.97	NA	0.98	37.38	29.98
1985	1.87	1.17	1.07	NA	NA	NA	31.58
1986	2.26	1.28	1.17	NA	NA	NA	24.60
1987	2.84	1.37	1.14	NA	NA	NA	20.93
1988	3.01	1.36	1.09	NA	NA	37.38	19.91
1989	3.02	1.38	1.13	1.53	0.86	47.46	22.94
1990	3.35	1.72	1.25	1.62	1.09	NA	26.77

* Data for 1978-1980 are yearly averages.
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Norway

Size (Square Miles): 149,412
Location: Western Europe



Norway

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	3,851	3,877	3,903	3,933	3,961	3,985	4,007	4,026	4,043	4,059	4,073
GNP (Mill US Dollars)	9,643	11,101	12,551	14,775	19,180	23,083	28,067	30,707	35,107	39,282	45,296
GNP per Capita (US Dollars)	2,530	2,750	3,090	3,560	4,240	5,290	6,610	7,650	8,550	9,510	10,990
Consumer Price Index (1987=100)	22.5	24.9	26.4	28.4	30.5	33.3	37.2	40 6	44.3	47.9	50.2

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	4,091	4,100	4,115	4,133	4,140	4,153	4,169	4,187	4,196	4,215
GNP (Mill US Dollars)	55,779	55,235	54,194	53,316	53,832	57,055	68,269	82,197	87,701	88,572
GNP per Capita (US Dollars)	12,880	14,130	14,390	14,160	14,170	14,470	15,420	17,350	19,550	21,850
Consumer Price Index (1987=100)	55.7	63.3	70.5	76.4	81.2	85.8	92.0	100.0	106.7	111.6

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Norway

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1980	0.41	0.05	0.04	0.86	1.35
1981	0.37	0.04	0.04	0.94	1.39
1982	0.33	0.03	0.04	0.94	1.35
1983	0.33	0.05	0.04	1.04	1.46
1984	0.34	0.05	0.04	1.06	1.49
1985	0.38	0.05	0.04	1.05	1.52
1986	0.37	0.04	0.04	1.00	1.45
1987	0.42	0.04	0.03	1.05	1.54
1988	0.37	0.06	0.03	1.09	1.56
1989	0.37	0.06	0.04	1.19	1.66

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1973	0.07	0.00	NA	0.75	0.83
1974	0.07	*	NA	0.79	0.88
1975	0.41	0.01	0.01	0.80	1.22
1976	0.60	0.01	0.01	0.84	1.47
1977	0.60	0.11	0.01	0.74	1.47
1978	0.78	0.44	0.01	0.83	2.07
1979	0.89	0.87	0.01	0.92	2.68
1980	1.14	1.01	0.01	0.87	3.03
1981	1.08	1.01	0.01	0.97	3.07
1982	1.12	1.02	0.01	0.97	3.12
1983	1.32	0.98	0.01	1.10	3.42
1984	1.49	1.06	0.01	1.11	3.66
1985	1.69	1.07	0.02	1.07	3.83
1986	1.86	1.09	0.01	1.01	3.98
1987	2.19	1.22	0.01	1.07	4.48
1988	2.50	1.20	0.01	1.13	4.84
1989	3.31	1.24	0.00	1.22	5.77

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Norway

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	11	12	13	10	10	13	12	12	15	12	12
Well Completions	(Total)	84	56	73	63	29	80	98	69	NA	87	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	5,750	5,500	7,620	6,800	7,660	8,300	10,900	10,500	14,800	10,435	11,546
Nat. Gas Reserves, Beginning of Year	(bcf)	23,500	42,700	49,370	58,000	58,800	89,000	104,000	103,180	105,940	85,500	82,160
Crude Oil Production	(000 b/d)	527	502	491	610	692	783	850	994	1,099	1,472	1,621
Nat. Gas Production	(bcf)	705	924	858	858	923	904	903	986	1,004	1,015	902
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	264	253	243	243	243	244	240	240	240	239	295
Ethylene Capacity	(000 Tons/Yr)	NA	300	300	300	350	350	300	390	390	390	390
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	34	32	35	36	37	40	40	41	41	NA	NA
Middle Distillate Demand	(000 b/d)	81	63	63	61	61	64	68	70	66	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	29	18	26	16	19	18	20	18	13	NA	NA
Total Product Demand	(000 b/d)	200	185	174	164	199	179	186	209	187	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	475	418	397	517	585	661	739	871	998	NA	NA
Pet Product Exports	(000 b/d)	26	54	51	52	66	79	93	114	120	NA	NA
Total Pet Exports	(000 b/d)	501	472	448	569	651	740	832	985	1,118	NA	NA
Crude Oil Imports	(000 b/d)	129	78	57	40	36	19	32	49	21	NA	NA
Pet Product Imports	(000 b/d)	55	67	68	52	64	61	82	69	61	NA	NA
Total Pet Imports	(000 b/d)	184	145	125	92	100	80	114	118	82	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(346)	(340)	(340)	(477)	(549)	(642)	(707)	(822)	(977)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	29	13	17	0	(2)	(18)	(11)	(45)	(59)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(317)	(327)	(323)	(477)	(551)	(660)	(718)	(867)	(1,036)	NA	NA
Total Pet Imports, % of Demand	(Percent)	46.00	38.67	35.31	26.74	25.71	21.11	29.53	27.83	20.92	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	(79.25)	(87.20)	(91.24)	(138.66)	(141.65)	(174.14)	(186.01)	(204.48)	(264.29)	NA	NA
Natural Gas Exports	(bcf)	NA	NA	NA	NA	926	907	923	1,035	999	NA	NA
Natural Gas Imports	(bcf)	NA	NA	NA	NA	0	0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Norway

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	11	12	12	12	12	12	12	12	12	12	12	12	12
Total	11	12	12	12	12	12	12	12	12	12	12	12	12
1982													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	12	12	15	13	14	13	12	12	11	13	12	12	13
Total	12	12	15	13	14	13	12	12	11	13	12	12	13
1983													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	11	10	10	10	9	9	10	10	7	9	10	9	10
Total	11	10	10	10	9	9	10	10	7	9	10	9	10
1984													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	11	8	11	11	11	11	9	9	9	9	9	9	10
Total	11	8	11	11	11	11	9	9	9	9	9	9	10
1985													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	8	8	15	15	15	15	15	14	14	14	14	13	13
Total	8	8	15	15	15	15	15	14	14	14	14	13	13
1986													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	13	13	11	6	11	16	17	17	11	8	8	8	12
Total	13	13	11	6	11	16	17	17	11	8	8	8	12
1987													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	10	8	9	9	13	14	10	14	12	15	16	16	12
Total	10	8	9	9	13	14	10	14	12	15	16	16	12
1988													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	15	15	16	16	18	13	14	17	15	15	14	12	15
Total	15	15	16	16	18	13	14	17	15	15	14	12	15
1989													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	11	11	10	12	14	13	14	13	12	15	12	12	12
Total	11	11	10	12	14	13	14	13	12	15	12	12	12
1990													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	12	8	10	11	12	13	15	14	12	13	13	15	12
Total	12	8	10	11	12	13	15	14	12	13	13	15	12

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Norway

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1971	NA	NA	NA	NA	NA	NA	7	11	15	18	12	13	6.2
1972	10	31	35	41	40	39	41	42	36	35	21	24	33.0
1973	38	27	42	28	39	40	35	35	35	38	38	4	33.1
1974	2	25	17	13	30	38	47	47	50	44	57	46	34.7
1975	24	77	123	150	150	219	256	219	301	262	230	253	188.7
1976	264	279	268	196	169	282	319	325	310	349	240	345	278.8
1977	346	336	319	237	146	205	219	273	263	303	321	391	279.9
1978	392	382	357	365	344	269	358	376	366	351	355	355	355.8
1979	365	365	358	393	378	356	376	415	476	357	500	504	403.6
1980	578	620	561	540	558	553	267	546	501	529	537	529	526.6
1981	534	538	520	511	557	592	551	339	470	398	529	485	502.0
1982	517	504	505	525	472	444	485	492	437	394	546	565	490.5
1983	538	620	610	600	600	626	652	561	590	634	638	651	610.0
1984	693	644	634	657	687	668	611	682	711	754	763	800	692.0
1985	695	705	755	765	765	652	827	804	822	861	879	870	783.3
1986	839	870	860	319	796	848	935	904	845	933	1,018	1,038	850.4
1987	1,092	957	982	1,032	1,026	873	1,017	752	1,043	1,085	1,073	990	993.5
1988	1,090	1,086	1,125	1,141	1,068	855	1,123	1,015	1,118	1,183	1,188	1,192	1,098.7
1989	1,405	1,292	1,490	1,556	1,496	1,379	1,547	1,544	1,411	1,541	1,589	1,418	1,472.3
1990	1,564	1,564	1,601	1,630	1,653	1,585	1,427	1,408	1,589	1,819	1,850	1,756	1,620.5

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1977	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.0	20.9	20.8	59.7
1978	34.9	30.6	26.7	32.3	23.9	20.4	35.4	35.0	33.3	11.4	33.2	34.7	351.8
1979	35.7	35.8	35.8	35.8	35.1	36.1	35.2	35.2	44.4	30.8	30.0	30.0	419.9
1980	46.7	46.7	44.5	75.9	48.3	47.1	49.0	50.0	74.2	74.0	70.9	77.9	705.2
1981	88.7	86.0	86.0	86.0	70.0	70.0	70.0	72.0	72.0	74.0	74.0	75.0	923.7
1982	89.0	83.0	92.0	85.4	67.9	56.2	53.2	48.6	52.3	67.9	79.6	83.3	858.4
1983	80.5	75.6	81.9	74.1	65.1	56.2	55.7	55.5	57.1	80.0	84.6	92.0	858.3
1984	92.0	89.6	96.9	83.0	78.4	69.8	56.8	47.6	57.0	77.7	84.5	89.3	922.6
1985	97.1	85.6	92.6	85.6	79.3	61.4	59.0	56.6	53.6	61.5	82.6	89.3	904.2
1986	89.9	81.8	88.7	38.2	75.6	66.6	67.9	68.1	67.3	86.4	83.9	88.2	902.6
1987	98.6	86.3	93.6	84.8	83.6	73.8	67.3	40.0	73.4	89.3	96.9	98.0	985.6
1988	95.7	92.9	95.4	92.0	79.3	74.0	71.7	70.2	68.6	78.9	90.0	94.8	1,003.5
1989	98.4	90.4	91.9	88.9	78.8	73.5	69.8	74.5	75.1	88.6	90.4	94.5	1,014.8
1990	93.1	89.9	88.2	65.1	63.5	60.1	56.0	69.8	71.2	76.2	82.4	86.1	901.6

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Norway

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	2.99	1.65	1.52	1.57	NA	NA	NA
1982	2.89	1.63	1.48	1.57	1.05	NA	39.62
1983	2.73	1.55	1.43	1.57	NA	NA	38.90
1984	2.49	1.35	1.25	1.38	2.18	NA	NA
1985	2.17	0.83	1.08	0.97	2.09	NA	32.42
1986	2.52	1.11	1.23	1.27	NA	42.00	27.33
1987	2.72	1.09	1.00	1.08	NA	34.86	24.16
1988	2.89	1.14	1.05	1.12	NA	44.10	NA
1989	3.27	1.06	1.09	1.13	NA	38.22	31.03
1990	3.61	1.31	1.38	1.55	1.03	48.30	44.43

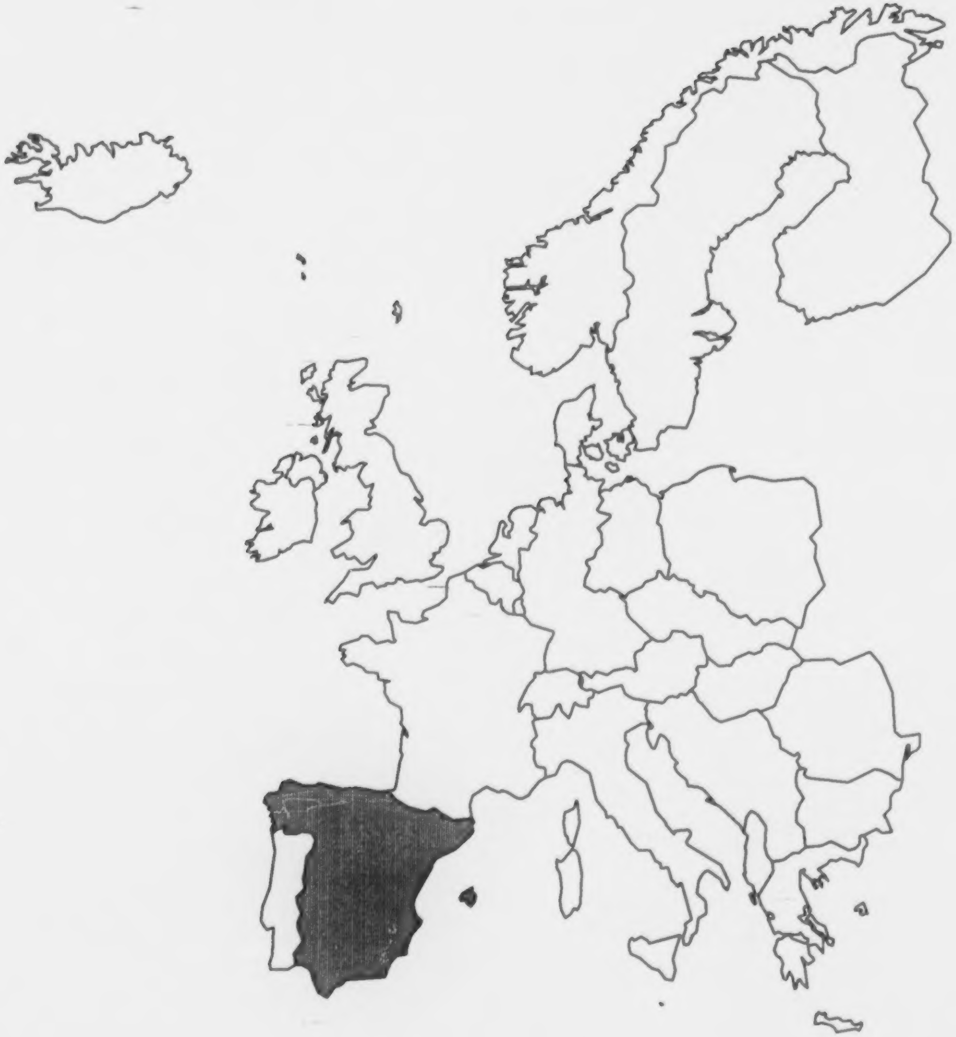
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Spain

Size (Square Miles): 194,885
Location: Western Europe



Spain

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	33,427	33,779	34,190	34,448	34,810	35,147	35,515	35,937	36,367	36,778	37,108
GNP (Mill US Dollars)	33,486	37,243	42,407	53,820	71,730	88,924	104,599	107,728	120,261	145,611	194,816
GNP per Capita (US Dollars)	1,060	1,100	1,210	1,430	1,790	2,280	2,750	3,060	3,340	3,660	4,380
Consumer Price Index (1987=100)	11.5	12.1	13.1	14.2	15.8	18.3	21.4	24.6	30.6	36.7	42.4

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	37,386	37,756	37,980	38,172	38,342	38,505	38,668	38,832	38,996	39,161
GNP (Mill US Dollars)	210,293	181,454	175,560	152,625	153,738	162,015	225,955	286,848	336,784	370,713
GNP per Capita (US Dollars)	5,300	5,610	5,310	4,680	4,390	4,280	4,840	6,000	7,750	9,150
Consumer Price Index (1987=100)	49.1	56.2	64.3	72.1	80.3	87.3	95.0	100.0	104.8	111.9

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Spain

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	2.09	0.10	0.70	0.31	0.06	3.27
1981	1.98	0.11	0.86	0.23	0.11	3.29
1982	2.11	0.08	0.94	0.27	0.10	3.52
1983	2.12	0.09	0.88	0.29	0.12	3.51
1984	1.91	0.08	0.91	0.35	0.26	3.50
1985	1.76	0.10	0.97	0.34	0.32	3.48
1986	1.80	0.11	0.96	0.28	0.42	3.56
1987	1.85	0.12	0.84	0.29	0.46	3.55
1988	2.03	0.16	0.91	0.36	0.54	4.00
1989	2.13	0.16	0.93	0.20	0.60	4.02

Production

	Coal	Hydroelectric Power	Nuclear Electric Power	Other	Primary Energy
1973	0.28	0.30	0.07	0.04	0.69
1974	0.29	0.32	0.08	0.08	0.77
1975	0.30	0.27	0.08	0.08	0.73
1976	0.31	0.23	0.08	0.09	0.71
1977	0.36	0.42	0.07	0.07	0.92
1978	0.39	0.43	0.08	0.06	0.96
1979	0.42	0.49	0.07	0.08	1.06
1980	0.53	0.32	0.06	0.08	0.99
1981	0.62	0.24	0.11	0.05	1.02
1982	0.69	0.28	0.10	0.07	1.14
1983	0.71	0.30	0.12	0.12	1.25
1984	0.71	0.35	0.25	0.10	1.41
1985	0.74	0.34	0.30	0.10	1.48
1986	0.71	0.28	0.40	0.11	1.50
1987	0.67	0.29	0.44	0.11	1.51
1988	0.72	0.37	0.52	0.11	1.72
1989	0.69	0.21	0.57	0.09	1.56

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Spain

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	10	11	12	8	9	10	7	2	2	3	1
Well Completions	**(Total)**	26	40	32	24	23	31	21	13	NA	11	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	150	350	122	131	160	115	90	28	39	26	25
Nat. Gas Reserves, Beginning of Year	**(bcf)**	2,000	3,500	2,500	1,940	2,225	700	700	800	600	840	810
Crude Oil Production	**(000 b/d)**	30	24	30	58	47	45	37	33	29	20	14
Nat. Gas Production	**(bcf)**	13	11	12	12	8	10	13	26	35	52	47
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	1,456	1,464	1,517	1,522	1,493	1,493	1,367	1,305	1,305	1,285	1,293
Ethylene Capacity	**(000 Tons/Yr)**	NA	1,081	1,031	956	956	956	956	966	966	980	980
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	131	132	126	126	130	134	146	156	141	NA	NA
Middle Distillate Demand	**(000 b/d)**	215	202	228	227	238	242	252	261	282	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	382	342	360	315	244	173	183	183	170	NA	NA
Total Product Demand	**(000 b/d)**	990	941	1,009	1,023	917	848	837	898	980	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	0	3	0	3	0	1	0	0	0	NA	NA
Pet Product Exports	**(000 b/d)**	45	80	82	97	154	202	285	233	254	NA	NA
Total Pet Exports	**(000 b/d)**	45	83	82	100	154	203	285	233	254	NA	NA
Crude Oil Imports	**(000 b/d)**	970	931	883	846	822	872	926	882	918	NA	NA
Pet Product Imports	**(000 b/d)**	87	123	169	219	193	137	106	155	205	NA	NA
Total Pet Imports	**(000 b/d)**	1,057	1,054	1,052	1,065	1,015	1,009	1,032	1,037	1,123	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	970	928	883	843	822	871	926	882	918	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	42	43	87	122	39	(65)	(179)	(78)	(49)	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	1,012	971	970	965	861	806	747	804	869	NA	NA
Total Pet Imports, % of Demand	**(Percent)**	51.31	53.21	52.63	52.39	54.22	56.91	58.57	56.27	57.59	NA	NA
Net Tot Pet Impts (Expts), % of Demand	**(Percent)**	49.13	49.02	48.52	47.47	45.99	45.46	42.40	43.62	44.56	NA	NA
Natural Gas Exports	**(bcf)**	NA	NA	NA	NA	0	0	0	0	0	NA	NA
Natural Gas Imports	**(bcf)**	NA	NA	NA	NA	70	86	87	88	115	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Spain

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	7	7	7	7	8	8	5	8	8	7	9	9	8
Offshore	5	5	5	5	2	2	1	1	3	2	3	3	3
Total	12	12	12	12	10	10	6	9	11	9	12	12	11
1982													
Land	9	7	7	7	7	7	6	6	7	7	6	6	7
Offshore	3	6	7	7	7	5	5	5	5	5	4	4	5
Total	12	13	14	14	14	12	11	11	12	12	10	10	12
1983													
Land	6	4	4	3	3	3	5	5	6	5	5	4	4
Offshore	4	5	5	3	3	3	3	3	3	3	3	2	3
Total	10	9	9	6	6	6	8	8	9	8	8	6	7
1984													
Land	4	4	3	3	4	4	4	7	6	5	5	5	5
Offshore	3	3	2	2	3	3	3	4	4	7	7	7	4
Total	7	7	5	5	7	7	7	11	10	12	12	12	9
1985													
Land	6	6	7	7	6	6	4	4	4	10	10	10	7
Offshore	3	3	4	5	6	6	4	3	3	2	2	2	4
Total	9	9	11	12	12	12	8	7	7	12	12	12	11
1986													
Land	10	10	10	10	1	1	1	1	1	1	1	0	4
Offshore	3	5	5	5	2	2	2	2	2	2	1	1	3
Total	13	15	15	15	3	3	3	3	3	3	2	1	7
1987													
Land	1	1	0	2	3	3	2	2	3	2	2	1	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	1	0	2	3	3	2	2	3	2	2	1	2
1988													
Land	2	2	0	1	1	1	1	2	1	1	1	2	1
Offshore	0	0	1	1	1	1	0	0	1	3	2	0	1
Total	2	2	1	2	2	2	1	2	2	4	3	2	2
1989													
Land	2	2	1	1	1	1	0	0	2	1	1	1	1
Offshore	1	1	1	1	1	3	3	4	3	1	0	0	2
Total	3	3	2	2	2	4	3	4	5	2	1	1	3
1990													
Land	1	2	2	1	1	0	0	0	0	1	1	1	1
Offshore	0	0	0	0	0	0	0	0	0	0	1	1	0
Total	1	2	2	1	1	0	0	0	0	1	2	2	1

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Spain

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	5	5	5	5	5	5	5	4	4	4	4	4	4.6
1971	3	3	3	3	3	3	3	3	3	3	3	3	2.5
1972	3	3	3	3	3	3	3	3	3	3	3	3	2.5
1973	3	13	23	23	23	23	23	23	23	20	20	20	19.7
1974	20	20	35	40	44	44	40	40	40	30	30	30	34.4
1975	30	35	35	35	35	35	35	38	38	38	38	38	35.8
1976	40	40	40	40	40	40	40	40	40	40	40	40	40.0
1977	45	45	45	23	22	21	21	16	16	16	16	16	25.2
1978	15	15	15	15	15	20	20	20	20	20	20	20	17.9
1979	20	20	20	20	20	20	20	20	15	15	15	15	18.3
1980	30	30	30	30	30	30	30	30	30	30	30	25	29.6
1981	23	23	23	23	23	23	25	25	25	25	25	25	24.0
1982	25	15	15	30	30	35	35	35	35	35	35	35	30.0
1983	47	49	56	67	64	64	59	62	59	59	55	55	58.0
1984	62	60	54	55	47	47	47	36	33	41	36	46	47.0
1985	55	50	50	50	49	42	41	40	40	40	41	45	45.3
1986	42	37	40	40	40	36	36	35	41	33	34	35	37.4
1987	33	32	36	31	33	33	31	33	32	35	31	30	32.5
1988	30	32	31	29	32	33	30	27	31	26	26	24	29.3
1989	22	35	20	21	20	19	18	18	20	16	17	18	20.3
1990	17	14	14	13	14	14	14	14	14	13	13	13	13.9

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1977	NA	NA	NA	NA	NA	NA	NA	NA	2.1	2.1	2.1	2.3	8.6
1978	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.6	2.6	2.6	2.0	1.9	24.5
1979	1.9	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.5	2.5	2.5	2.0	25.6
1980	2.0	2.0	2.0	2.0	2.0	0.4	0.4	0.4	0.3	0.3	0.4	0.4	12.6
1981	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	11.4
1982	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
1983	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
1984	1.0	1.0	0.4	0.4	0.7	0.6	0.3	0.3	0.8	0.9	0.8	0.8	8.0
1985	1.4	0.8	1.3	0.6	0.6	0.6	0.7	0.7	1.1	0.7	0.8	0.8	10.1
1986	0.8	0.7	0.7	0.7	0.7	1.0	0.5	0.6	1.9	1.5	1.6	2.0	12.7
1987	2.5	1.6	1.3	1.3	1.0	0.9	1.2	1.2	2.9	3.5	3.6	4.9	25.9
1988	3.3	2.8	4.1	2.1	2.3	2.4	2.5	2.0	2.2	3.0	3.9	4.3	34.9
1989	4.5	4.1	4.5	4.3	4.4	4.6	4.7	2.8	4.4	4.8	4.6	4.7	52.4
1990	4.8	4.3	4.7	3.5	3.4	3.7	4.6	1.9	1.9	4.7	4.6	4.7	46.8

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Spain

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	3.11	1.78	1.36	1.89	1.23	NA	36.04
1982	2.88	1.70	1.24	1.74	0.94	NA	32.63
1983	2.69	1.57	0.68	1.63	1.01	NA	30.76
1984	2.30	1.40	0.59	1.45	0.92	NA	23.75
1985	2.02	1.13	0.96	1.09	0.82	NA	29.51
1986	2.30	1.53	1.12	NA	NA	46.97	30.36
1987	2.28	1.51	0.99	1.70	2.04	37.38	16.57
1988	2.58	1.71	1.12	1.70	2.04	47.34	18.74
1989	2.45	1.62	1.06	1.80	1.20	39.90	17.57
1990	2.73	1.82	1.21	2.04	1.28	45.36	21.22

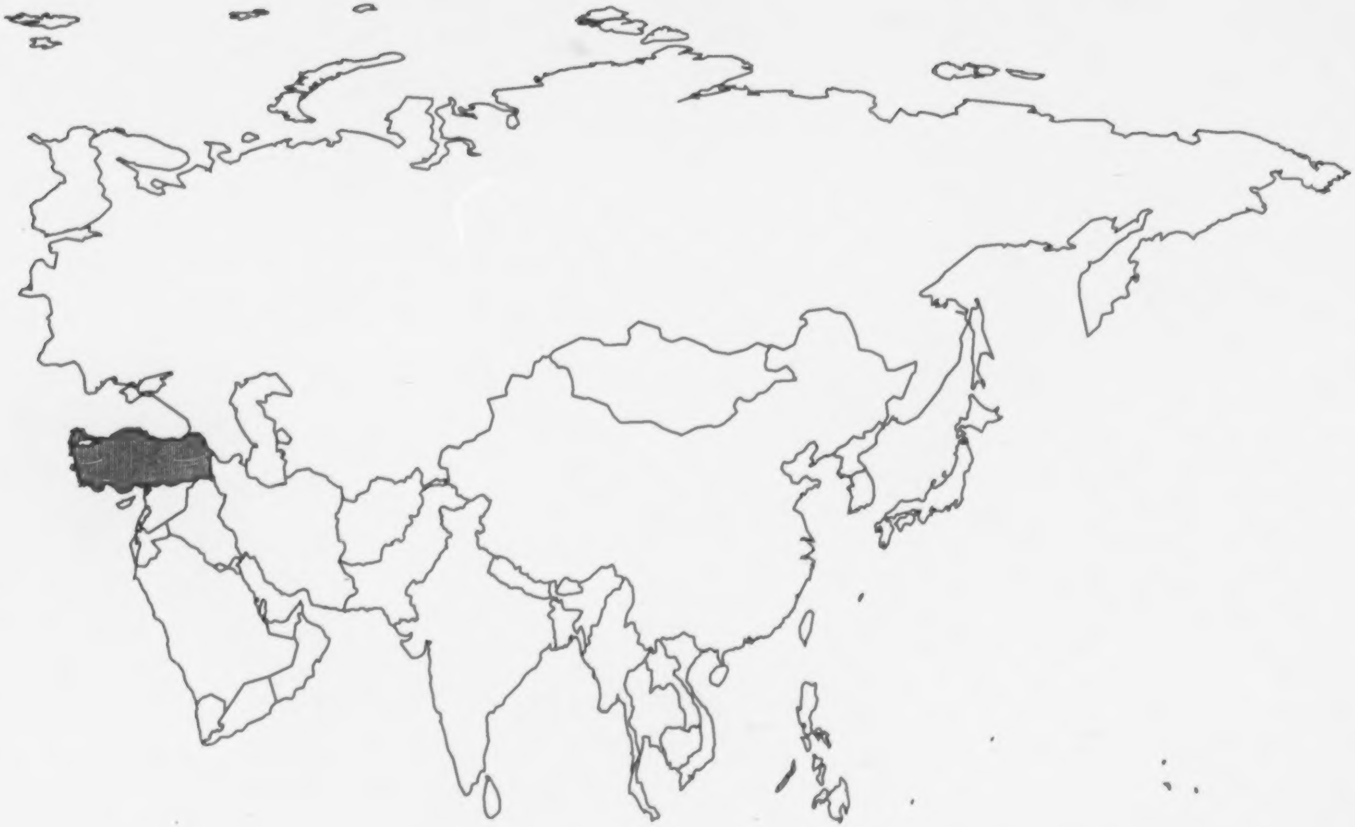
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Turkey

Size (Square Miles): 300,948
Location: Western Europe



Turkey

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	34,438	35,321	36,229	37,165	38,119	39,075	40,025	40,970	41,906	42,847	43,815
GNP (Mill US Dollars)	13,778	12,609	12,483	16,312	20,851	29,281	35,903	40,932	47,611	52,016	68,360
GNP per Capita (US Dollars)	400	400	400	410	470	630	830	1,000	1,110	1,210	1,360
Consumer Price Index (1987=100)	0.7	0.7	0.8	0.9	1.1	1.2	1.5	1.7	2.2	3.2	5.0

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	44,823	45,865	46,938	48,040	49,166	50,310	51,466	52,623	53,772	54,899
GNP (Mill US Dollars)	55,829	56,250	51,525	49,672	48,225	51,475	56,593	66,219	68,848	77,282
GNP per Capita (US Dollars)	1,390	1,440	1,290	1,180	1,100	1,080	1,110	1,220	1,280	1,370
Consumer Price Index (1987=100)	10.6	14.5	18.9	24.9	36.9	53.5	72.0	100.0	175.4	297.5

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Turkey

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Coal	Hydroelectric Power	Primary Energy
1980	0.67	0.24	0.12	1.03
1981	0.59	0.31	0.13	1.03
1982	0.69	0.32	0.15	1.16
1983	0.72	0.42	0.12	1.26
1984	0.72	0.56	0.14	1.42
1985	0.75	0.62	0.12	1.49
1986	0.81	0.73	0.12	1.66
1987	0.94	0.76	0.19	1.89
1988	0.93	0.64	0.30	1.87
1989	0.93	0.64	0.19	1.76

Production

	Coal	Hydroelectric Power	Primary Energy
1973	0.19	NA	0.19
1974	0.18	NA	0.18
1975	0.18	0.06	0.24
1976	0.16	0.09	0.25
1977	0.20	0.09	0.29
1978	0.20	0.10	0.30
1979	0.32	0.11	0.43
1980	0.24	0.12	0.36
1981	0.26	0.13	0.39
1982	0.31	0.15	0.46
1983	0.42	0.12	0.54
1984	0.49	0.14	0.63
1985	0.55	0.12	0.67
1986	0.66	0.12	0.78
1987	0.66	0.19	0.85
1988	0.55	0.30	0.85
1989	0.58	0.19	0.77

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Turkey

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	24	26	34	26	24	25	27	26	21	20	17
Well Completions	(Total)	89	72	82	77	40	NA	84	31	NA	87	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	125	110	280	280	370	294	300	400	380	381	521
Nat. Gas Reserves, Beginning of Year	(bcf)	500	490	550	545	1,010	600	490	460	1,030	1,037	705
Crude Oil Production	(000 b/d)	44	47	50	44	41	42	47	51	47	55	72
Nat. Gas Production	(bcf)	12	12	7	10	38	52	16	13	4	4	8
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	356	356	367	467	472	460	460	460	676	725	702
Ethylene Capacity	(000 Tons/Yr)	NA	55	55	55	55	355	355	355	355	355	355
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	41	45	46	47	47	45	51	56	63	NA	NA
Middle Distillate Demand	(000 b/d)	82	88	97	106	108	114	127	145	146	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	130	116	123	123	107	111	118	128	120	NA	NA
Total Product Demand	(000 b/d)	314	280	327	344	343	360	388	450	447	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	5	8	32	18	36	34	32	41	74	NA	NA
Total Pet Exports	(000 b/d)	5	8	32	18	36	34	32	41	74	NA	NA
Crude Oil Imports	(000 b/d)	209	232	287	292	318	314	344	401	438	NA	NA
Pet Product Imports	(000 b/d)	62	47	29	34	21	28	30	34	33	NA	NA
Total Pet Imports	(000 b/d)	271	279	316	326	339	342	374	435	471	NA	NA
Net Crude Imports (Exports)	(000 b/d)	209	232	287	292	318	314	344	401	438	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	57	39	(3)	16	(15)	(6)	(2)	(7)	(41)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	266	271	284	308	303	308	342	394	397	NA	NA
Total Pet Imports, % of Demand	(Percent)	44.14	46.89	47.73	48.37	47.55	48.51	49.02	49.15	51.64	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	43.32	45.55	42.90	45.70	42.50	43.69	44.82	44.52	43.53	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Turkey

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	26	26	26	26	26	26	26	26	26	26	26	26	26
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	26	26	26	26	26	26	26	26	26	26	26	26	26
1982													
Land	26	26	26	26	26	35	43	43	43	43	43	33	34
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	26	26	26	26	26	35	43	43	43	43	43	33	34
1983													
Land	33	33	31	23	23	23	24	24	24	24	24	24	26
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	33	33	31	23	23	23	24	24	24	24	24	24	26
1984													
Land	24	24	24	24	24	24	24	24	24	24	24	24	24
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	24	24	24	24	24	24	24	24	24	24	24	24	24
1985													
Land	24	23	23	23	26	26	26	26	26	26	26	27	25
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	24	23	23	23	26	26	26	26	26	26	26	27	25
1986													
Land	27	27	27	27	29	29	29	29	29	29	21	25	27
Offshore	0	0	0	1	0	0	0	0	0	0	0	0	0
Total	27	27	27	28	29	29	29	29	29	29	21	25	27
1987													
Land	29	30	30	29	30	27	26	25	23	23	23	22	26
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	29	30	30	29	30	27	26	25	23	23	23	22	26
1988													
Land	22	22	22	21	21	21	22	21	25	25	14	14	21
Offshore	0	0	0	0	0	0	1	1	2	2	0	0	1
Total	22	22	22	21	21	21	23	22	27	27	14	14	22
1989													
Land	24	25	26	19	19	19	19	19	17	17	17	17	20
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	24	25	26	19	19	19	19	19	17	17	17	17	20
1990													
Land	17	17	18	17	17	17	17	17	17	17	17	17	17
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	17	17	18	17	17	17	17	17	17	17	17	17	17

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Turkey

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	70	70	70	70	70	70	70	67	67	70	70	70	69.5
1971	65	65	65	65	65	65	65	65	65	65	71	71	66.0
1972	71	71	71	71	71	63	63	67	67	67	67	67	68.0
1973	70	70	70	70	70	70	65	65	65	70	70	70	68.8
1974	70	70	65	65	65	65	65	65	65	65	65	65	65.8
1975	65	65	65	65	65	65	68	60	60	60	60	60	63.2
1976	60	92	55	55	55	55	55	70	70	70	70	70	64.8
1977	70	70	65	65	65	65	65	65	65	50	50	50	62.1
1978	50	50	50	50	50	50	50	50	50	50	50	50	50.0
1979	50	50	50	50	50	50	50	50	55	55	55	55	51.7
1980	42	42	42	42	42	42	45	45	45	45	45	50	43.9
1981	45	45	45	45	45	45	45	45	50	50	50	50	46.7
1982	50	50	50	50	50	50	50	50	50	50	50	50	50.0
1983	50	43	44	44	45	45	45	45	43	43	40	40	43.9
1984	45	45	45	38	39	39	40	40	40	40	40	40	40.9
1985	42	38	39	41	42	42	43	43	42	44	42	41	41.6
1986	42	37	44	46	47	48	49	50	50	49	48	48	46.5
1987	48	49	49	50	51	53	54	54	54	52	52	50	51.3
1988	48	49	48	51	51	21	50	50	51	49	50	49	47.3
1989	50	53	52	55	58	56	53	57	57	59	57	57	55.3
1990	59	60	62	61	63	69	75	76	77	85	91	88	72.2

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1977	NA	NA	NA	NA	NA	NA	NA	NA	2.8	3.0	3.2	3.8	12.8
1978	4.0	3.4	4.0	3.8	2.9	3.0	2.6	3.0	2.8	2.8	2.1	2.0	36.4
1979	2.0	2.0	2.0	1.9	2.0	2.0	1.9	1.9	1.6	1.7	1.8	1.0	21.8
1980	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
1981	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
1982	1.0	1.0	1.0	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	7.1
1983	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.5	2.5	2.5	10.2
1984	2.5	2.5	3.5	3.4	3.9	2.2	3.4	3.4	3.0	3.4	3.4	3.0	37.6
1985	3.5	3.5	4.6	3.9	6.0	4.6	4.6	4.6	4.8	4.6	6.1	1.0	51.8
1986	1.0	1.0	1.4	1.4	1.5	1.1	1.5	1.3	1.5	1.6	1.5	1.6	16.4
1987	1.4	1.3	1.4	1.3	1.3	1.3	1.7	0.8	0.7	1.0	0.6	0.3	13.1
1988	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	3.7
1989	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0.2	1.2	4.4
1990	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.8	7.5

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Turkey

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1982	1.62	0.98	0.92	1.01	0.68	NA	27.27
1983	NA	NA	NA	NA	NA	NA	NA
1984	1.83	1.15	1.11	1.18	0.79	NA	32.66
1985	1.56	0.84	0.80	0.83	0.37	NA	27.69
1986	1.25	0.84	0.84	0.88	0.47	35.28	22.22
1987	NA	NA	NA	NA	NA	NA	NA
1988	1.36	1.01	0.72	1.04	NA	42.42	26.46
1989	1.63	1.18	0.54	1.21	0.57	NA	22.10
1990	1.97	1.94	0.96	1.98	0.88	NA	36.24

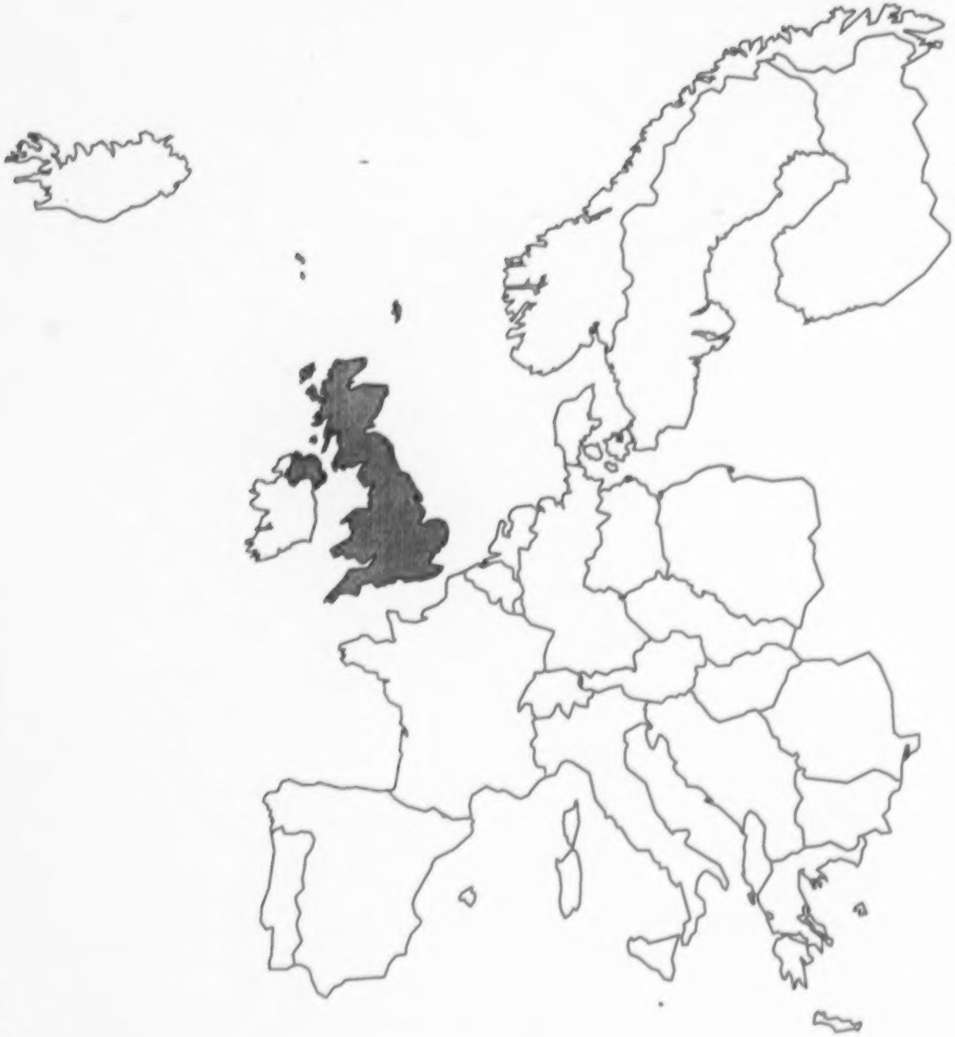
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

United Kingdom

Size (Square Miles): 93,629
Location: Western Europe



United Kingdom

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	55,461	55,632	55,928	56,097	56,223	56,236	56,226	56,216	56,190	56,178	56,242
GNP (Mill US Dollars)	113,952	125,119	142,683	163,425	183,195	196,884	235,067	223,518	255,614	324,019	424,660
GNP per Capita (US Dollars)	2,170	2,240	2,450	2,750	3,250	3,520	3,900	4,230	4,600	5,190	6,470
Consumer Price Index (1987=100)	17.1	18.2	19.9	21.3	23.3	27.0	33.5	39.1	45.3	49.0	55.6

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	56,330	56,352	56,306	56,347	56,460	56,618	56,763	56,930	57,100	57,270
GNP (Mill US Dollars)	538,326	509,740	489,702	462,485	434,747	457,167	562,706	686,803	833,625	836,016
GNP per Capita (US Dollars)	7,960	9,290	9,800	9,280	8,660	8,470	9,020	10,490	12,850	14,570
Consumer Price Index (1987=100)	65.6	73.4	79.7	83.4	87.5	92.8	96.0	100.0	104.9	113.1

Data from Oil & Gas Journal Energy Database.
Source: World Bank

United Kingdom

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	3.62	2.07	3.18	0.04	0.44	9.34
1981	3.29	1.81	2.83	0.04	0.46	8.44
1982	3.29	1.70	2.94	0.04	0.53	8.51
1983	3.14	1.92	2.67	0.04	0.63	8.40
1984	3.87	2.06	1.36	0.03	0.68	8.00
1985	3.38	2.16	2.43	0.03	0.74	8.74
1986	3.37	2.21	2.71	0.04	0.74	9.07
1987	3.26	2.29	2.58	0.04	0.72	8.88
1988	3.46	2.18	2.75	0.04	0.83	9.26
1989	3.57	2.26	2.76	0.04	1.01	9.64

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	0.01	1.06	3.19	0.05	0.35	4.66
1974	0.01	1.29	2.60	0.05	0.43	4.38
1975	0.05	1.34	3.04	0.05	0.39	4.87
1976	0.55	1.41	2.93	0.05	0.46	5.39
1977	1.69	1.47	2.89	0.05	0.47	6.58
1978	2.38	1.38	2.92	0.05	0.45	7.19
1979	3.43	1.40	2.89	0.06	0.47	8.24
1980	3.55	1.31	3.02	0.04	0.42	8.35
1981	3.92	1.30	2.96	0.04	0.43	8.64
1982	4.50	1.45	2.94	0.04	0.50	9.44
1983	5.03	1.49	2.72	0.04	0.57	9.85
1984	5.49	1.51	1.17	0.03	0.58	8.78
1985	5.60	1.61	2.23	0.03	0.64	10.11
1986	5.63	1.70	2.56	0.04	0.62	10.55
1987	5.37	1.79	2.47	0.04	0.57	10.24
1988	5.00	1.72	2.51	0.04	0.66	9.93
1989	4.02	1.78	2.51	0.04	0.81	9.16

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

United Kingdom

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	48	58	58	42	60	63	43	44	57	46	48
Well Completions	(Total)	287	273	152	260	109	336	317	273	NA	212	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	15,400	14,800	14,800	13,900	13,150	13,590	13,000	9,000	5,200	5,175	4,256
Nat. Gas Reserves, Beginning of Year	(bcf)	25,000	24,800	26,000	25,400	25,100	27,800	33,000	33,400	22,000	22,740	20,836
Crude Oil Production	(000 b/d)	1,626	1,811	2,061	2,285	2,501	2,533	2,535	2,441	2,269	1,781	1,813
Nat. Gas Production	(bcf)	2,136	1,427	1,293	1,452	1,405	1,502	1,568	1,711	1,706	1,560	1,726
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	2,528	2,630	2,482	2,260	2,092	2,008	1,792	1,780	1,803	1,803	1,831
Ethylene Capacity	(000 Tons/Yr)	NA	2,075	2,270	2,265	2,270	2,270	1,995	1,845	1,945	1,975	2,000
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	446	436	430	436	446	446	502	518	542	NA	NA
Middle Distillate Demand	(000 b/d)	439	362	377	368	376	377	382	368	382	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	380	313	370	294	519	318	281	233	253	NA	NA
Total Product Demand	(000 b/d)	1,725	1,590	1,585	1,520	1,824	1,607	1,637	1,603	1,697	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	771	1,040	1,268	1,441	1,578	1,635	1,705	1,637	1,427	NA	NA
Pet Product Exports	(000 b/d)	299	297	262	281	327	404	431	405	422	NA	NA
Total Pet Exports	(000 b/d)	1,070	1,337	1,530	1,722	1,905	2,039	2,136	2,042	1,849	NA	NA
Crude Oil Imports	(000 b/d)	903	753	683	614	485	551	618	619	699	NA	NA
Pet Product Imports	(000 b/d)	196	294	254	203	608	449	453	389	390	NA	NA
Total Pet Imports	(000 b/d)	1,099	1,047	937	817	1,093	1,000	1,071	1,008	1,089	NA	NA
Net Crude Imports (Exports)	(000 b/d)	132	(287)	(585)	(827)	(1,093)	(1,084)	(1,087)	(1,018)	(728)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(103)	(3)	(8)	(78)	281	45	22	(16)	(32)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	29	(290)	(593)	(905)	(812)	(1,039)	(1,065)	(1,034)	(760)	NA	NA
Total Pet Imports, % of Demand	(Percent)	32.37	33.24	29.61	26.79	29.75	30.89	32.63	31.37	32.15	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	0.85	(9.21)	(18.74)	(29.67)	(22.10)	(32.10)	(32.45)	(32.18)	(22.44)	NA	NA
Natural Gas Exports	(bcf)	0	0	2	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	612	407	345	374	480	479	448	434	399	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc.,
British Petroleum, Energy Information Administration, Oil & Gas Journal

United Kingdom

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	2	2	5	5	4	4	5	5	5	5	6	8	5
Offshore	49	51	53	53	55	55	51	55	55	53	54	55	53
Total	51	53	58	58	59	59	56	60	60	58	60	63	58
1982													
Land	4	4	4	2	2	3	1	1	1	1	2	3	2
Offshore	58	59	60	58	55	59	58	50	53	54	51	50	55
Total	62	63	64	60	57	62	59	51	54	55	53	53	57
1983													
Land	3	3	1	0	2	3	3	3	2	2	1	2	2
Offshore	53	41	38	36	32	38	38	40	43	42	41	40	40
Total	56	44	39	36	34	41	41	43	45	44	42	42	42
1984													
Land	0	4	3	5	8	8	5	6	6	5	7	6	5
Offshore	41	45	54	58	60	51	62	59	55	53	56	58	54
Total	41	49	57	63	68	59	67	65	61	58	63	64	59
1985													
Land	5	7	7	5	7	6	7	7	5	7	7	11	7
Offshore	60	49	51	58	54	59	61	55	53	55	61	57	56
Total	65	56	58	63	61	65	68	62	58	62	68	68	63
1986													
Land	10	11	14	13	8	5	7	5	5	3	5	2	7
Offshore	51	44	42	44	33	31	32	32	26	31	29	31	36
Total	61	55	56	57	41	36	39	37	31	34	34	33	43
1987													
Land	2	3	2	3	1	4	5	6	5	7	4	7	4
Offshore	28	33	28	29	34	36	36	42	42	50	55	61	40
Total	30	36	30	32	35	40	41	48	47	57	59	68	44
1988													
Land	7	4	3	4	4	4	3	3	6	8	8	6	5
Offshore	57	62	59	52	56	52	51	49	55	43	43	43	52
Total	64	66	62	56	60	56	54	52	61	51	51	49	57
1989													
Land	6	6	6	5	5	4	3	1	3	3	3	1	4
Offshore	43	48	45	47	45	43	40	39	39	40	33	42	42
Total	49	54	51	52	50	47	43	40	42	43	36	43	46
1990													
Land	4	3	5	2	5	2	0	3	3	3	1	0	3
Offshore	45	42	41	46	39	48	52	46	48	48	45	46	46
Total	49	45	46	48	44	50	52	49	51	51	46	46	49

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

United Kingdom

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	2	2	2	2	2	2	2	2	2	2	2	2	1.9
1971	2	2	2	2	2	2	2	2	2	2	2	2	1.6
1972	2	2	2	2	2	2	2	2	2	2	2	2	1.6
1973	2	2	2	2	2	2	2	2	2	2	2	2	2.0
1974	2	2	2	2	2	2	2	2	2	2	2	2	2.0
1975	2	2	2	2	2	11	19	25	15	17	20	115	19.3
1976	115	115	125	140	185	200	255	255	303	325	400	475	241.1
1977	532	643	720	718	836	827	768	821	849	840	806	851	767.6
1978	885	945	874	981	1,108	1,114	1,092	1,104	1,088	1,156	1,282	1,350	1,081.6
1979	1,502	1,502	1,337	1,456	1,640	1,740	1,703	1,633	1,671	1,613	1,517	1,541	1,571.3
1980	1,606	1,657	1,683	1,550	1,624	1,595	1,585	1,533	1,539	1,572	1,731	1,842	1,626.4
1981	1,755	1,797	1,887	1,864	1,727	1,765	1,750	1,759	1,828	1,847	1,842	1,913	1,811.2
1982	1,904	1,892	1,966	2,097	2,078	2,057	2,084	2,042	2,146	2,178	2,140	2,150	2,061.2
1983	2,127	2,310	2,250	2,166	2,133	2,048	2,303	2,283	2,377	2,373	2,496	2,550	2,284.7
1984	2,526	2,625	2,494	2,494	2,438	2,363	2,472	2,302	2,435	2,615	2,605	2,644	2,501.1
1985	2,728	2,650	2,600	2,621	2,598	2,190	2,387	2,216	2,585	2,686	2,655	2,481	2,533.1
1986	2,734	2,699	2,699	2,554	2,516	2,196	2,599	2,563	2,525	2,563	2,448	2,321	2,534.8
1987	2,586	2,555	2,512	2,531	2,508	1,901	2,447	2,425	2,384	2,501	2,533	2,409	2,441.0
1988	2,521	2,521	2,522	2,526	2,450	2,096	2,113	2,113	2,120	2,079	2,090	2,081	2,269.3
1989	1,849	1,801	1,797	1,710	1,560	1,291	1,754	1,831	1,949	1,973	1,920	1,936	1,780.9
1990	1,927	1,825	1,952	1,923	1,901	1,868	1,629	1,645	1,710	1,878	1,791	1,718	1,813.9

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	72.5	70.0	63.4	63.4	63.4	39.9	30.6	18.8	18.1	19.7	46.2	83.1	589.1
1972	80.7	80.0	85.0	90.0	88.5	62.6	60.6	60.5	50.1	54.2	60.2	64.2	836.6
1973	87.1	105.5	104.7	104.3	100.7	101.7	100.7	98.3	76.8	80.1	90.1	101.6	1,151.6
1974	104.9	86.4	135.4	141.2	117.4	98.4	93.0	137.9	83.3	69.9	71.1	68.2	1,207.1
1975	54.6	111.7	111.7	142.7	127.9	118.0	126.9	107.2	90.7	90.7	61.6	87.4	1,231.1
1976	93.8	93.7	162.3	128.9	133.4	155.7	102.9	103.0	77.2	50.8	50.8	49.8	1,202.3
1977	175.9	175.9	148.7	133.5	130.4	87.6	72.9	72.9	92.4	121.9	141.8	146.0	1,499.9
1978	149.6	150.6	162.4	127.4	94.6	95.6	69.2	67.7	84.4	84.5	86.0	90.4	1,262.4
1979	90.6	188.0	200.0	201.1	201.1	190.0	187.7	187.7	91.0	108.1	160.4	160.0	1,965.7
1980	205.0	204.0	204.0	188.0	188.0	190.0	190.0	180.0	189.1	190.0	104.0	104.0	2,136.1
1981	119.2	105.0	140.0	193.0	194.0	193.0	193.0	50.0	46.0	64.0	64.0	66.0	1,427.2
1982	199.0	147.5	162.4	97.0	78.0	53.2	49.6	54.1	55.7	101.6	129.4	165.6	1,293.1
1983	158.3	171.6	155.3	130.4	104.9	68.7	53.4	56.4	76.6	180.2	135.7	160.3	1,451.8
1984	186.2	166.0	167.6	114.2	91.9	58.2	59.8	62.5	79.6	111.2	141.2	166.8	1,405.2
1985	186.0	166.0	192.7	131.3	108.1	87.3	62.3	60.2	84.4	117.3	147.0	159.5	1,502.1
1986	196.2	164.6	178.0	152.0	117.7	69.5	59.7	64.9	82.5	125.0	172.7	185.4	1,568.2
1987	210.0	222.5	200.0	163.1	95.8	84.0	72.4	73.2	95.0	129.6	174.0	191.6	1,711.2
1988	196.9	186.3	166.8	170.1	94.0	92.4	85.0	85.0	91.9	145.0	187.8	205.0	1,706.2
1989	190.2	171.8	170.8	159.7	95.0	69.2	71.5	70.3	75.3	108.7	162.3	215.3	1,560.1
1990	210.0	189.7	183.3	154.4	109.9	91.5	72.0	72.0	83.3	132.6	199.4	227.8	1,725.9

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

United Kingdom

Selected Petroleum Prices
January 1 *
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1978	1.22	1.24	0.62	NA	NA	20.16	15.35
1979	1.79	1.70	0.86	NA	NA	30.66	21.29
1980	2.50	2.19	1.29	NA	NA	47.88	32.08
1981	2.52	2.56	1.24	1.38	1.43	47.04	36.01
1982	2.50	2.50	1.26	1.46	NA	44.94	44.95
1983	NA	NA	NA	NA	NA	39.90	NA
1984	2.31	1.84	1.16	NA	NA	36.54	NA
1985	1.81	1.30	0.95	NA	NA	38.22	34.17
1986	2.24	1.93	1.06	NA	NA	18.88	12.60
1987	2.24	1.77	0.82	NA	NA	28.56	21.01
1988	2.43	1.95	0.78	NA	NA	25.62	17.48
1989	2.59	2.06	0.71	NA	NA	29.82	16.98
1990	2.55	2.04	0.81	2.61	NA	NA	19.59

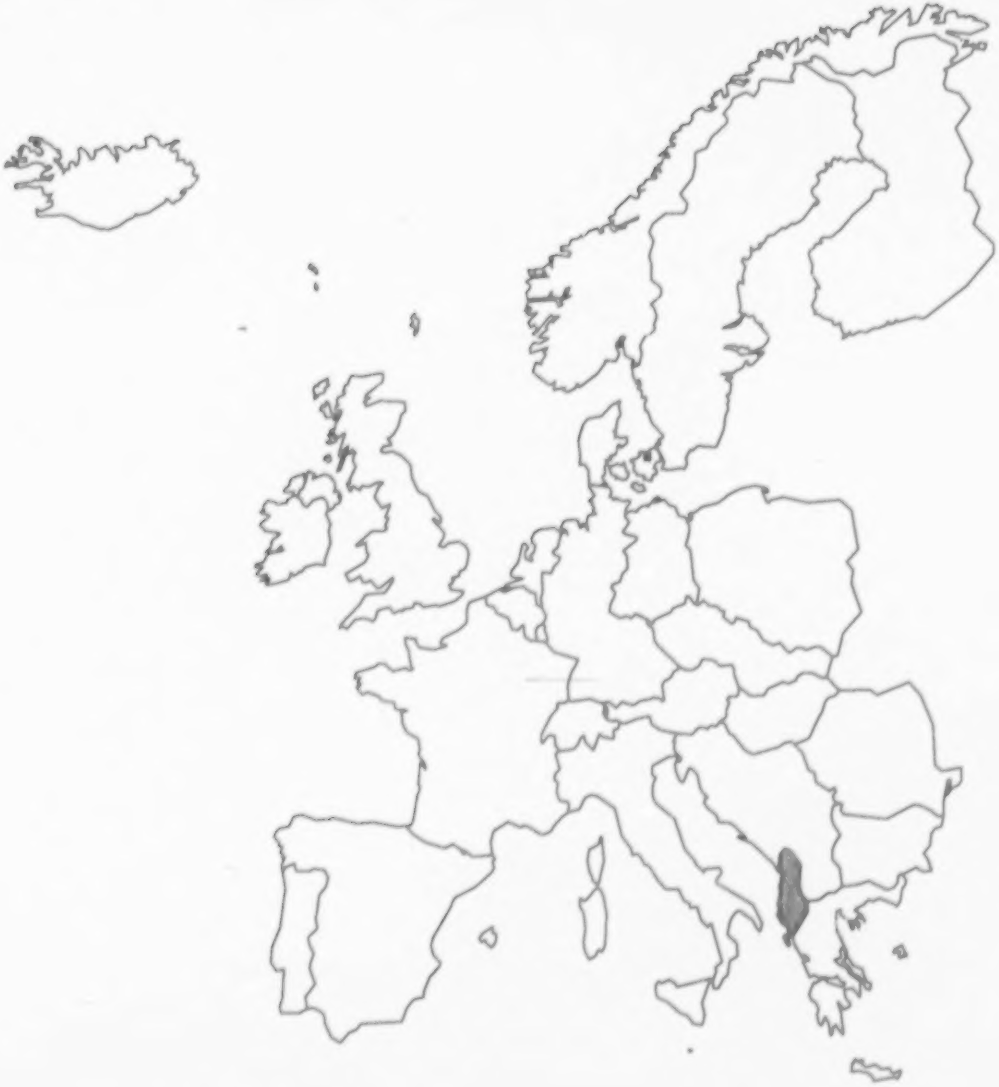
* Data for 1978-1980 are yearly averages.
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Albania

Size (Square Miles): 11,100
Location: Eastern Europe



Albania

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Primary Energy
1980	0.10	0.01	0.03	0.14
1981	0.09	0.01	0.03	0.13
1982	0.09	0.01	0.03	0.13
1983	0.09	0.01	0.03	0.13
1984	0.09	0.01	0.03	0.13
1985	0.09	0.01	0.03	0.13
1986	0.08	0.01	0.04	0.13
1987	0.07	0.02	0.04	0.13
1988	0.07	0.02	0.04	0.13
1989	0.07	0.02	0.04	0.13

Coal Production

1973	0.01
1974	0.01
1975	0.01
1976	0.01
1977	0.01
1978	0.01
1979	0.02
1980	0.02
1981	0.02
1982	0.02
1983	0.02
1984	0.02
1985	0.03
1986	0.03
1987	0.03
1988	0.03
1989	0.04

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Albania

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	40	40	40	40	40	40	40	40	40	40	40
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	4	4	6	6	6	6	5	5	5	NA	NA
Middle Distillate Demand	(000 b/d)	6	5	7	7	8	8	9	7	7	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	9	8	10	11	11	11	14	13	12	NA	NA
Total Product Demand	(000 b/d)	46	44	63	63	63	62	58	34	32	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	1	0	0	0	0	0	0	20	12	NA	NA
Total Pet Exports	(000 b/d)	1	0	0	0	0	0	0	20	12	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	*	0	0	0	0	1	*	0	0	NA	NA
Total Pet Imports	(000 b/d)	0	0	0	0	0	1	0	0	0	NA	NA
Net Crude Imports (Exports)	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(1)	0	0	0	0	1	0	(20)	(12)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(1)	0	0	0	0	1	0	(20)	(12)	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA

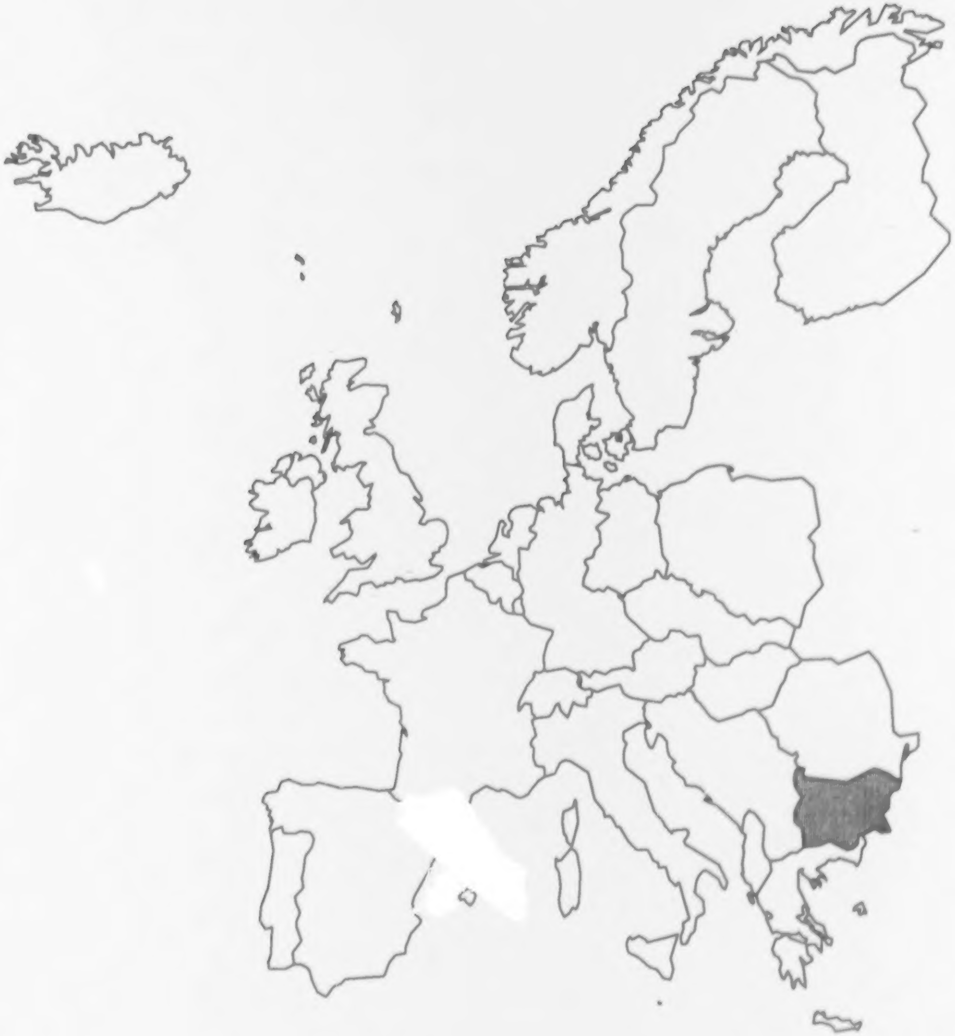
* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, Oil & Gas Journal

Notes

Bulgaria

Size (Square Miles): 42,823
Location: Eastern Europe



Bulgaria

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	8,434	8,490	8,536	8,576	8,621	8,679	8,721	8,759	8,804	8,814	8,826
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	8,862	8,878	8,894	8,909	8,925	8,941	8,956	8,971	8,986	9,001
GNP per Capita (US Dollars)	NA	NA	2,450	2,260	2,150	2,040	2,170	2,560	2,750	2,320

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Bulgaria

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Nuclear Electric Power	Primary Energy
1980	0.66	0.17	0.63	0.06	1.52
1981	0.64	0.15	0.63	0.09	1.51
1982	0.64	0.17	0.61	0.10	1.52
1983	0.64	0.17	0.66	0.12	1.59
1984	0.64	0.17	0.63	0.12	1.56
1985	0.63	0.20	0.65	0.13	1.61
1986	0.62	0.21	0.62	0.12	1.57
1987	0.60	0.21	0.66	0.13	1.60
1988	0.60	0.22	0.62	0.17	1.61
1989	0.53	0.23	0.62	0.17	1.55

Production

	Coal	Nuclear Electric Power	Primary Energy
1973	0.38	0.00	0.38
1974	0.34	0.01	0.35
1975	0.39	0.03	0.42
1976	0.36	0.05	0.41
1977	0.35	0.06	0.41
1978	0.35	0.06	0.41
1979	0.39	0.06	0.45
1980	0.43	0.06	0.49
1981	0.41	0.09	0.50
1982	0.45	0.11	0.56
1983	0.45	0.13	0.58
1984	0.45	0.13	0.58
1985	0.43	0.14	0.57
1986	0.45	0.13	0.58
1987	0.49	0.13	0.62
1988	0.48	0.17	0.65
1989	0.45	0.17	0.62

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Bulgaria

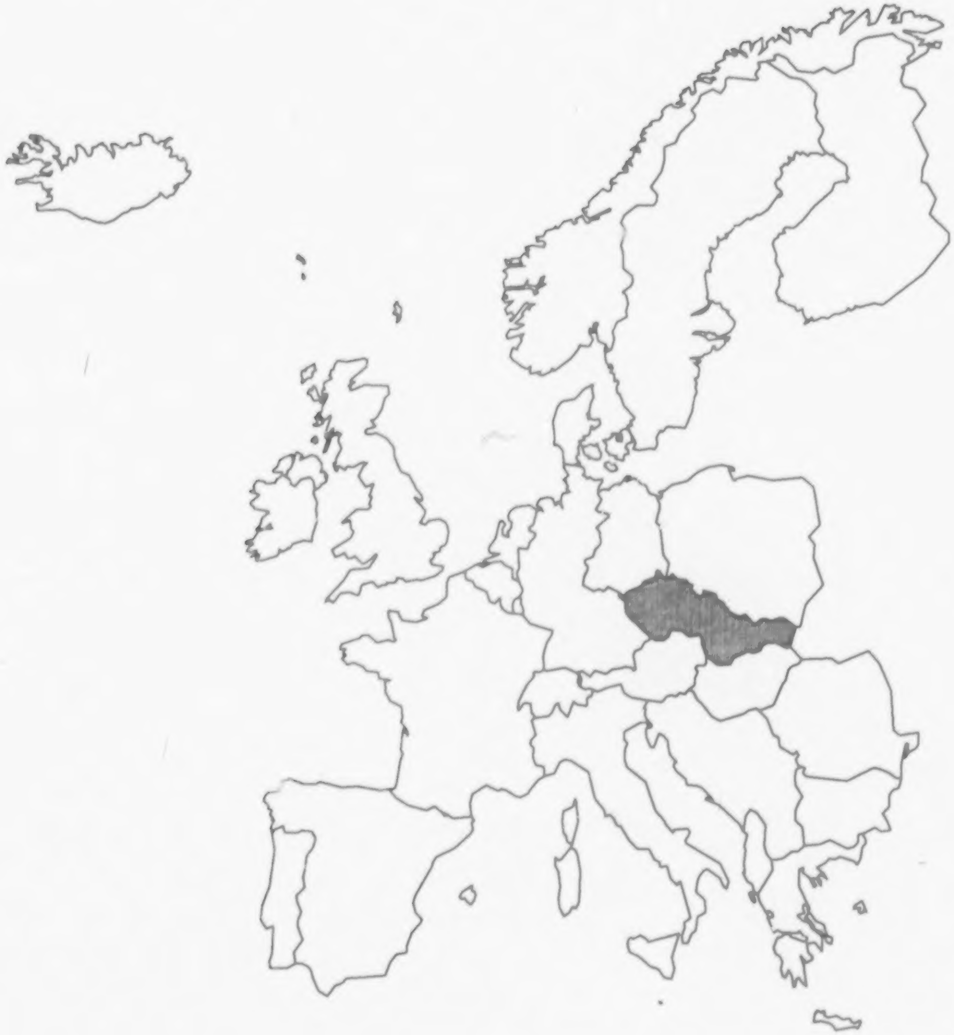
		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	300	300	300	300	300	300	300	300	300	300	300
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	43	42	42	42	41	42	40	41	39	NA	NA
Middle Distillate Demand	(000 b/d)	84	80	80	80	80	80	80	82	82	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	133	130	130	130	188	142	133	130	130	NA	NA
Total Product Demand	(000 b/d)	306	294	295	295	348	303	286	275	277	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	3	2	3	3	5	2	3	1	1	NA	NA
Total Pet Exports	(000 b/d)	3	2	3	3	5	2	3	1	1	NA	NA
Crude Oil Imports	(000 b/d)	260	250	250	250	249	248	250	240	245	NA	NA
Pet Product Imports	(000 b/d)	38	38	39	39	84	39	30	31	31	NA	NA
Total Pet Imports	(000 b/d)	298	288	289	289	333	287	280	271	276	NA	NA
Net Crude Imports (Exports)	(000 b/d)	260	250	250	250	249	248	250	240	245	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	35	36	36	36	79	37	27	30	30	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	295	286	286	286	328	285	277	270	275	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	175	162	177	180	178	215	220	219	231	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, Oil & Gas Journal

Czechoslovakia

Size (Square Miles): 49,384
Location: Eastern Europe



Czechoslovakia

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	0.77	0.30	1.84	0.06	0.05	3.03
1981	0.76	0.30	1.82	0.06	0.06	3.01
1982	0.71	0.32	1.86	0.05	0.07	3.01
1983	0.69	0.32	1.91	0.05	0.07	3.05
1984	0.67	0.34	1.90	0.05	0.09	3.05
1985	0.65	0.38	1.87	0.06	0.14	3.10
1986	0.64	0.40	1.89	0.06	0.21	3.20
1987	0.69	0.42	1.84	0.07	0.23	3.24
1988	0.67	0.40	1.83	0.06	0.24	3.21
1989	0.67	0.41	1.77	0.07	0.24	3.16

Production

	Coal	Hydroelectric Power	Nuclear Electric Power	Other	Primary Energy
1973	1.67	0.02	*	0.05	1.74
1974	1.69	0.04	0.01	0.04	1.78
1975	1.74	0.04	*	0.05	1.83
1976	1.78	0.04	0.01	0.03	1.86
1977	1.82	0.05	*	0.04	1.91
1978	1.85	0.04	*	0.05	1.94
1979	1.86	0.04	0.02	0.04	1.96
1980	1.85	0.05	0.06	0.02	1.98
1981	1.84	0.04	0.06	0.04	1.98
1982	1.87	0.04	0.07	0.03	2.01
1983	1.88	0.04	0.08	0.02	2.02
1984	1.91	0.03	0.09	0.03	2.06
1985	1.88	0.04	0.15	0.03	2.10
1986	1.87	0.04	0.22	0.03	2.16
1987	1.83	0.05	0.26	0.03	2.17
1988	1.83	0.05	0.27	0.03	2.18
1989	1.85	0.05	0.27	0.03	2.20

* Denotes less than 5 trillion Btu.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Czechoslovakia

Crude Oil & Natural Gas Processing		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Ethylene Capacity	(000 Tons/Yr)	NA	NA	NA	NA	NA	NA	NA	NA	0	0	370
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	40	42	38	41	41	45	45	47	49	NA	NA
Middle Distillate Demand	(000 b/d)	93	82	77	63	64	58	73	74	73	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	174	161	136	134	132	132	123	135	135	NA	NA
Total Product Demand	(000 b/d)	391	381	327	319	302	300	297	320	312	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	9	8	7	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	11	12	8	25	29	12	26	25	33	NA	NA
Total Pet Exports	(000 b/d)	11	12	17	33	36	12	26	25	33	NA	NA
Crude Oil Imports	(000 b/d)	384	375	331	340	343	339	330	330	327	NA	NA
Pet Product Imports	(000 b/d)	27	19	15	20	19	19	15	16	16	NA	NA
Total Pet Imports	(000 b/d)	411	394	346	360	362	358	345	346	343	NA	NA
Net Crude Imports (Exports)	(000 b/d)	384	375	322	332	336	339	330	330	327	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	16	7	7	(5)	(10)	7	(11)	(9)	(17)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	400	382	329	327	326	346	319	321	310	NA	NA
Natural Gas Exports	(bcf)	0	0	1	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	307	302	319	325	338	382	402	420	392	NA	NA

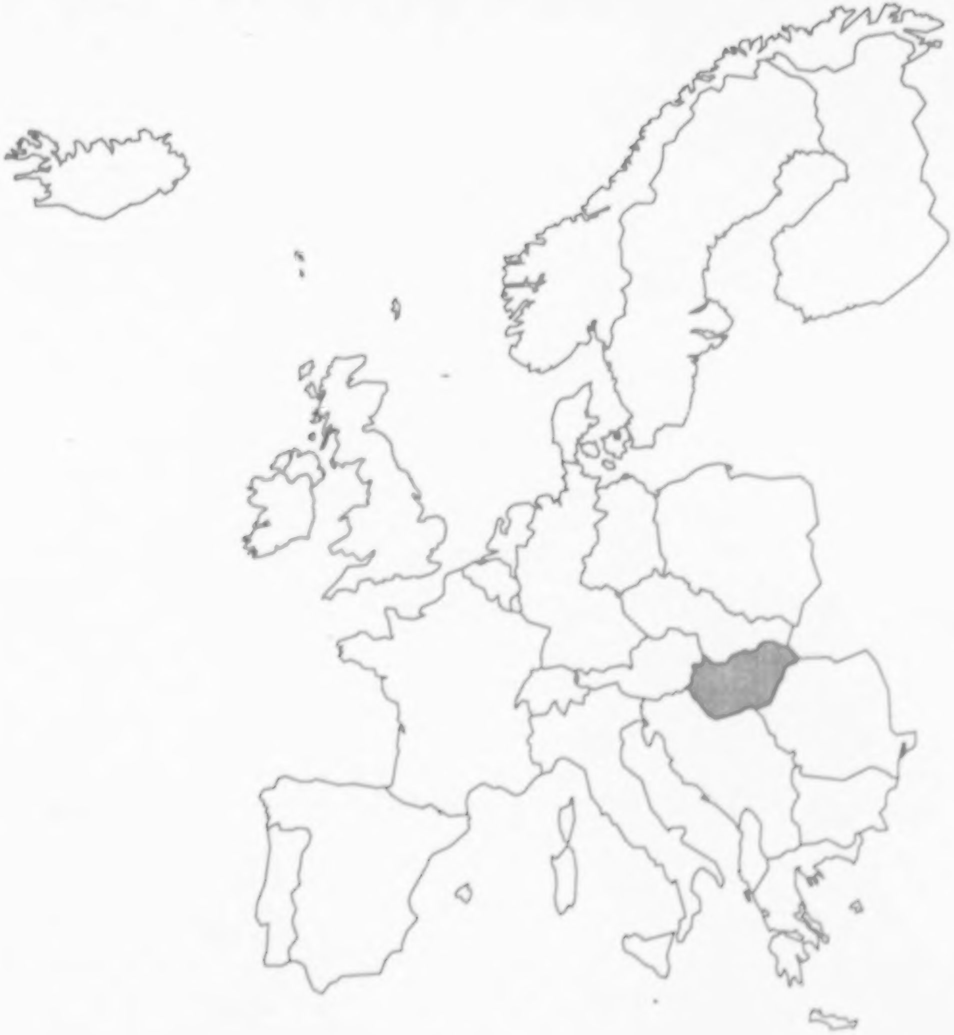
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, Oil & Gas Journal, Society of Exploration Geophysicists

Notes

Hungary

Size (Square Miles): 35,920
Location: Eastern Europe



Hungary

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	10,303	10,337	10,365	10,394	10,436	10,471	10,532	10,589	10,637	10,673	10,698
GNP (Mill US Dollars)	NA	NA	NA	NA	NA	NA	10,807	12,615	14,036	16,347	18,794
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	1,310	1,500	1,680
Consumer Price Index (1987=100)	NA	NA	NA	42.6	44.0	44.8	46.5	49.0	50.9	53.3	58.0

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	10,710	10,713	10,711	10,700	10,679	10,657	10,640	10,621	10,604	10,587
GNP (Mill US Dollars)	21,777	21,903	22,514	20,555	19,761	19,870	22,863	25,148	26,895	27,654
GNP per Capita (US Dollars)	1,930	2,150	2,260	2,150	2,050	1,940	2,020	2,250	2,450	2,580
Consumer Price Index (1987=100)	63.4	66.3	70.9	75.5	82.0	87.8	92.4	100.0	116.3	136.0

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Hungary

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Nuclear Electric Power	Primary Energy
1980	0.52	0.37	0.40	0.00	1.29
1981	0.50	0.37	0.39	0.00	1.26
1982	0.47	0.39	0.38	*	1.24
1983	0.47	0.39	0.38	0.02	1.26
1984	0.47	0.40	0.39	0.04	1.30
1985	0.48	0.42	0.40	0.06	1.36
1986	0.44	0.43	0.39	0.08	1.34
1987	0.42	0.41	0.33	0.11	1.27
1988	0.40	0.42	0.32	0.13	1.27
1989	0.40	0.43	0.32	0.14	1.29

Production

	Natural Gas	Coal	Nuclear Electric Power	Primary Energy
1973	0.19	0.34	0.00	0.53
1974	0.20	0.34	0.00	0.54
1975	0.20	0.32	0.00	0.52
1976	0.24	0.33	0.00	0.57
1977	0.26	0.33	0.00	0.59
1978	0.29	0.33	0.00	0.62
1979	0.26	0.32	0.00	0.58
1980	0.23	0.32	0.00	0.55
1981	0.24	0.32	0.00	0.56
1982	0.26	0.32	*	0.58
1983	0.26	0.31	0.03	0.60
1984	0.27	0.31	0.04	0.62
1985	0.29	0.29	0.07	0.65
1986	0.28	0.28	0.08	0.64
1987	0.25	0.27	0.12	0.64
1988	0.25	0.26	0.14	0.65
1989	0.26	0.24	0.15	0.65

* Denotes less than 5 trillion Btu.

Data from Oil & Gas Journal Energy Database
Source: Energy Information Administration

Hungary

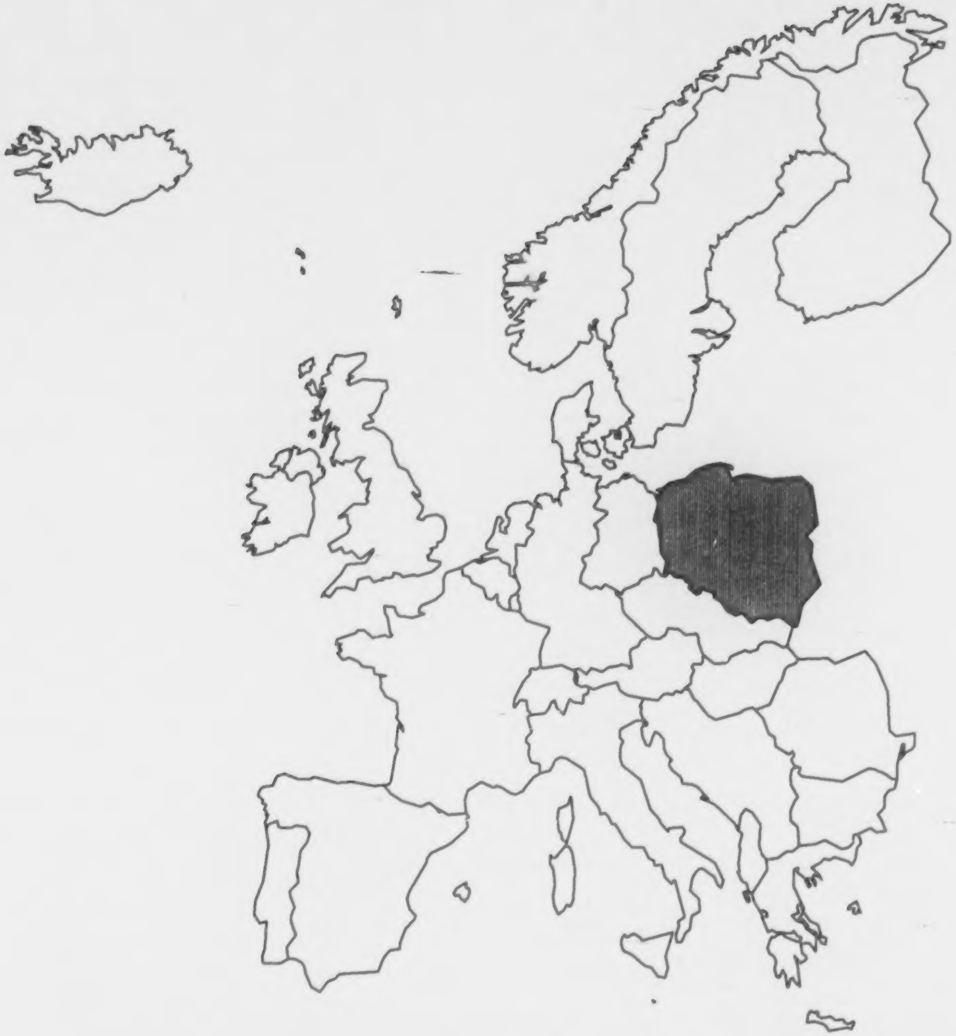
Crude Oil & Natural Gas Processing		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Crude Refinery Capacity	(000 b/d)	290	312	309	311	312	242	242	242	220	220	220
Ethylene Capacity	(000 Tons/Yr)	NA	NA	NA	NA	NA	NA	0	0	250	250	250
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	33	34	32	29	29	30	32	37	38	NA	NA
Middle Distillate Demand	(000 b/d)	91	86	83	73	74	72	68	71	63	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	51	52	44	47	46	56	49	43	38	NA	NA
Total Product Demand	(000 b/d)	244	236	223	223	223	227	212	203	193	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	33	34	40	6	16	15	5	NA	NA
Pet Product Exports	(000 b/d)	15	19	15	10	24	23	38	35	34	NA	NA
Total Pet Exports	(000 b/d)	15	19	48	44	64	29	54	50	39	NA	NA
Crude Oil Imports	(000 b/d)	166	155	176	177	177	145	149	162	142	NA	NA
Pet Product Imports	(000 b/d)	36	35	35	31	32	37	36	33	28	NA	NA
Total Pet Imports	(000 b/d)	202	190	211	208	209	182	185	195	170	NA	NA
Net Crude Imports (Exports)	(000 b/d)	166	155	143	143	137	139	133	147	137	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	21	16	20	21	8	14	(2)	(2)	(6)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	187	171	163	164	145	153	131	145	131	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	143	141	139	144	135	142	168	173	182	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, Oil & Gas Journal

Poland

Size (Square Miles): 120,728
Location: Eastern Europe



Poland

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	32,555	32,526	32,805	33,068	33,363	33,691	34,022	34,362	34,698	35,010	35,225
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Price Index (1987=100)	NA	11.0	11.1	11.1	11.4	12.2	12.4	13.0	13.6	14.7	15.8

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	35,578	35,902	36,227	36,571	36,914	37,203	37,456	37,664	37,862	38,061
GNP per Capita (US Dollars)	NA	NA	1,540	1,800	2,060	2,080	2,030	1,850	1,850	1,780
Consumer Price Index (1987=100)	17.3	20.9	42.0	51.3	59.0	67.9	79.9	100.0	160.2	562.5

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Poland

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1980	0.81	0.40	4.79	0.03	6.05
1981	0.73	0.40	4.37	0.03	5.54
1982	0.66	0.38	4.79	0.03	5.88
1983	0.68	0.39	4.00	0.03	5.13
1984	0.69	0.42	3.85	0.03	5.02
1985	0.70	0.42	4.15	0.04	5.35
1986	0.70	0.43	4.51	0.04	5.72
1987	0.71	0.45	4.88	0.04	6.15
1988	0.73	0.47	4.95	0.04	6.27
1989	0.72	0.49	4.69	0.04	6.01

Production

	Natural Gas	Coal	Hydroelectric Power	Other	Primary Energy
1973	0.22	4.68	NA	0.04	4.94
1974	0.21	4.27	NA	0.05	4.53
1975	0.22	4.52	0.02	0.02	4.78
1976	0.24	4.72	0.02	0.02	5.00
1977	0.26	4.87	0.02	0.03	5.18
1978	0.29	5.03	0.02	0.02	5.36
1979	0.26	5.20	0.03	0.02	5.51
1980	0.23	5.00	0.03	0.02	5.28
1981	0.22	4.27	0.03	0.02	4.54
1982	0.20	4.92	0.03	0.01	5.16
1983	0.20	5.01	0.03	0.01	5.25
1984	0.22	5.10	0.03	0.02	5.37
1985	0.23	5.26	0.04	0.01	5.54
1986	0.21	5.46	0.04	0.01	5.72
1987	0.20	5.54	0.04	0.01	5.79
1988	0.21	5.61	0.04	0.01	5.87
1989	0.21	5.26	0.05	0.00	5.52

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Poland

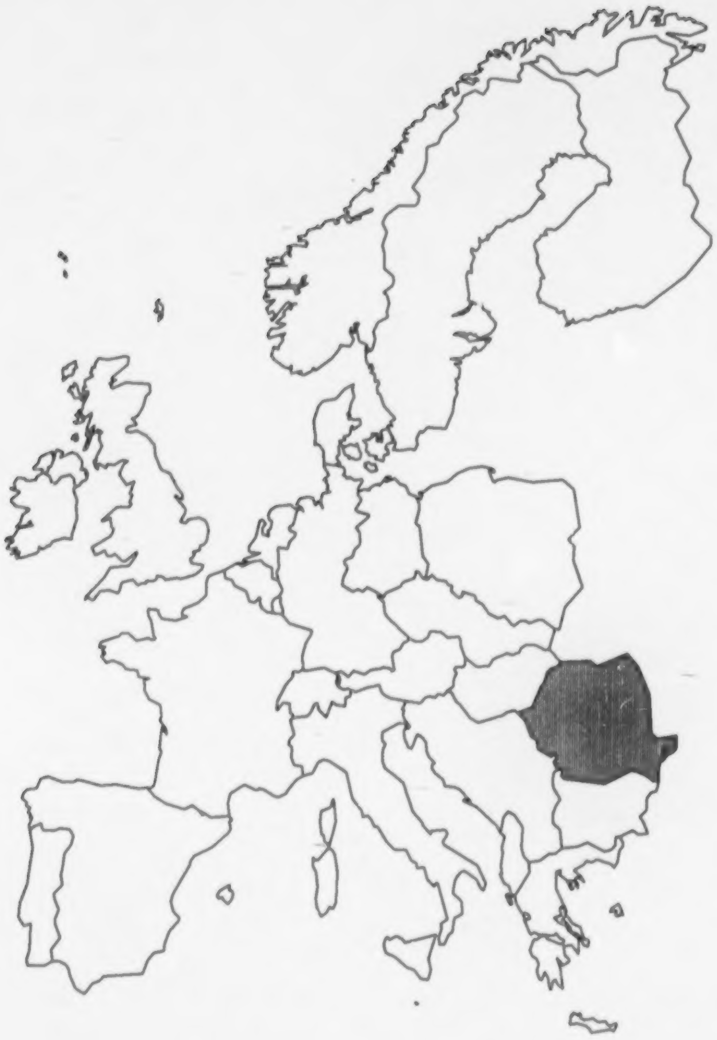
Crude Oil & Natural Gas Processing		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Crude Refinery Capacity	(000 b/d)	385	385	385	385	385	385	385	385	385	385	385
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	91	90	86	97	68	101	80	82	85	NA	NA
Middle Distillate Demand	(000 b/d)	119	106	102	112	113	118	125	127	130	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	74	73	56	50	47	51	54	52	52	NA	NA
Total Product Demand	(000 b/d)	387	346	318	329	313	333	333	341	350	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	32	16	11	22	10	15	5	11	16	NA	NA
Total Pet Exports	(000 b/d)	32	16	11	22	10	15	5	11	16	NA	NA
Crude Oil Imports	(000 b/d)	328	270	265	280	280	280	278	281	295	NA	NA
Pet Product Imports	(000 b/d)	91	85	54	68	55	59	58	69	67	NA	NA
Total Pet Imports	(000 b/d)	419	355	319	348	335	339	336	350	362	NA	NA
Net Crude Imports (Exports)	(000 b/d)	328	270	265	280	280	280	278	281	295	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	59	69	43	46	45	44	53	58	51	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	387	339	308	326	325	324	331	339	346	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	188	186	199	212	212	208	240	261	283	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, Oil & Gas Journal

Romania

Size (Square Miles): 96,699
Location: Eastern Europe



Romania

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1980	0.80	1.39	0.68	0.13	3.00
1981	0.74	1.42	0.72	0.13	3.01
1982	0.73	1.57	0.71	0.12	3.13
1983	0.68	1.61	0.56	0.11	2.97
1984	0.65	1.55	0.82	0.12	3.16
1985	0.69	1.49	0.79	0.12	3.11
1986	0.69	1.57	0.83	0.11	3.21
1987	0.73	1.56	0.81	0.12	3.23
1988	0.71	1.55	0.89	0.11	3.27
1989	0.71	1.61	0.91	0.11	3.35

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1973	0.64	1.04	0.38	0.08	2.14
1974	0.65	1.08	0.38	0.09	2.19
1975	0.66	1.17	0.38	0.09	2.29
1976	0.66	1.28	0.37	0.08	2.39
1977	0.66	1.35	0.38	0.10	2.48
1978	0.63	1.20	0.41	0.11	2.34
1979	0.56	1.35	0.45	0.12	2.47
1980	0.52	1.35	0.47	0.13	2.47
1981	0.53	1.39	0.49	0.13	2.54
1982	0.53	1.52	0.48	0.12	2.65
1983	0.54	1.57	0.46	0.10	2.67
1984	0.53	1.50	0.58	0.12	2.72
1985	0.49	1.43	0.61	0.12	2.64
1986	0.50	1.50	0.61	0.11	2.72
1987	0.48	1.48	0.58	0.12	2.65
1988	0.43	1.44	0.67	0.11	2.66
1989	0.40	1.49	0.73	0.11	2.73

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Romania

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Crude Oil Production	(000 b/d)	248	230	230	243	254	234	223	215	211	183	171
Nat. Gas Production	(bcf)	1,176	1,440	1,157	1,184	1,206	1,272	1,210	1,268	1,319	1,237	1,181
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	608	617	617	617	617	617	617	617	617	617	617
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	48	26	33	40	38	119	37	40	42	NA	NA
Middle Distillate Demand	(000 b/d)	99	84	96	85	83	86	84	84	84	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	124	111	105	90	81	108	118	119	118	NA	NA
Total Product Demand	(000 b/d)	374	323	337	320	307	404	322	340	330	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	194	171	136	188	221	215	189	192	206	NA	NA
Total Pet Exports	(000 b/d)	194	171	136	188	221	215	189	192	206	NA	NA
Crude Oil Imports	(000 b/d)	321	245	218	248	272	278	295	300	330	NA	NA
Pet Product Imports	(000 b/d)	1	*	*	1	0	94	*	1	1	NA	NA
Total Pet Imports	(000 b/d)	322	245	218	249	272	372	295	301	331	NA	NA
Net Crude Imports (Exports)	(000 b/d)	321	245	218	248	272	278	295	300	330	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(193)	(171)	(136)	(187)	(221)	(121)	(189)	(191)	(205)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	128	74	82	61	51	157	106	109	125	NA	NA
Natural Gas Exports	(bcf)	7	7	8	7	7	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	55	35	71	53	64	65	70	88	114	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, Oil & Gas Journal

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	270	270	270	270	270	270	270	270	270	270	270	270	270.0
1971	270	270	270	270	270	270	270	270	270	270	270	270	270.0
1972	275	275	275	275	275	275	275	275	275	275	275	280	275.4
1973	280	280	275	275	275	275	275	275	275	275	275	280	276.3
1974	280	280	280	280	280	290	290	290	290	290	290	290	285.8
1975	290	290	290	290	290	290	290	290	290	290	290	290	290.0
1976	290	290	290	290	290	290	290	290	290	290	290	290	290.0
1977	280	280	275	275	275	275	275	275	275	275	275	280	276.3
1978	300	300	300	300	300	300	300	300	300	300	300	300	300.0
1979	300	300	300	300	300	260	260	260	260	260	260	260	276.7
1980	250	250	250	250	250	250	250	250	250	250	250	230	248.3
1981	230	230	230	230	230	230	230	230	230	230	230	230	230.0
1982	230	230	230	230	230	230	230	230	230	230	230	230	230.0
1983	240	240	240	240	240	240	240	240	240	240	255	255	242.5
1984	255	255	255	255	255	255	255	255	255	255	250	250	254.2
1985	250	250	250	250	235	225	225	225	225	225	226	226	234.3
1986	226	226	226	226	226	226	226	220	220	220	220	215	223.1
1987	215	215	215	215	215	215	215	215	215	215	215	215	215.0
1988	215	215	215	215	215	215	215	215	215	215	188	188	210.5
1989	188	188	188	188	188	180	180	180	180	180	180	180	183.3
1990	180	180	180	180	180	175	175	160	160	160	160	160	170.8

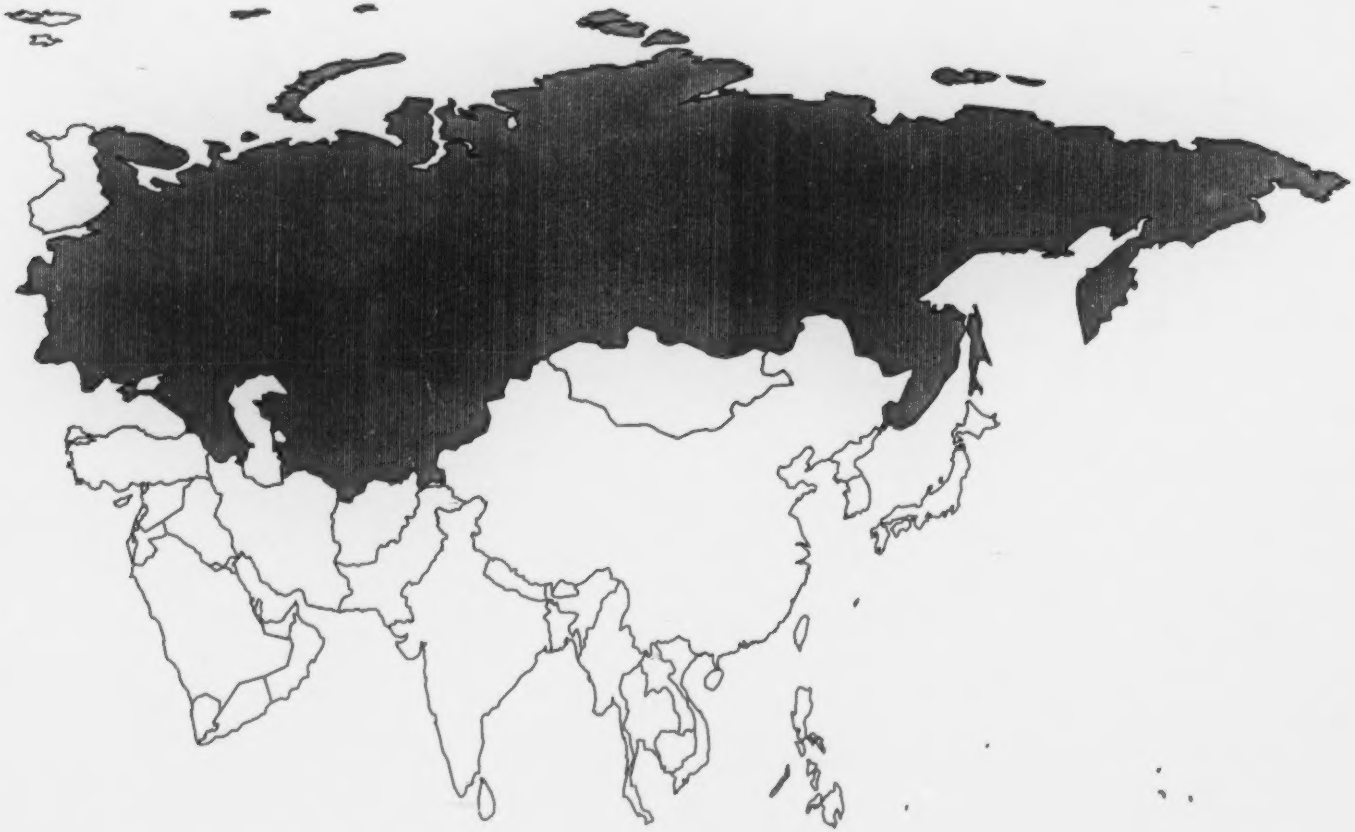
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	62.3	60.0	58.0	58.1	50.3	49.1	50.0	73.6	74.0	74.0	78.9	85.6	773.9
1972	94.3	90.0	91.0	90.6	97.2	97.0	98.1	102.3	100.1	98.4	101.2	109.4	1,169.6
1973	111.1	112.0	114.7	112.2	111.1	110.9	111.7	109.4	111.2	110.4	77.4	110.4	1,302.5
1974	77.5	77.1	77.1	70.1	68.2	77.1	78.2	77.1	97.4	77.9	77.8	80.2	935.7
1975	81.3	81.3	81.3	81.3	81.3	81.2	81.2	81.3	71.2	71.2	71.2	71.2	935.0
1976	71.2	71.3	71.2	71.2	71.2	71.3	71.2	71.2	71.2	71.2	71.2	71.2	854.6
1977	77.9	77.9	77.9	77.9	75.0	76.0	89.8	89.8	89.8	89.8	91.7	92.0	1,005.5
1978	93.1	94.1	97.2	102.9	102.9	102.9	102.9	102.9	100.0	102.9	106.9	102.9	1,211.6
1979	102.9	90.4	103.9	104.9	102.9	102.2	103.1	103.1	104.2	103.0	94.9	95.0	1,210.5
1980	102.9	103.9	91.5	91.5	92.0	82.7	91.5	103.7	103.7	103.0	105.0	105.0	1,176.4
1981	120.0	119.0	119.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	122.0	1,440.0
1982	96.0	96.0	96.0	96.0	96.0	97.1	97.1	97.1	97.1	97.1	95.8	95.9	1,157.2
1983	100.0	93.5	100.0	96.8	100.0	96.8	100.0	100.0	96.8	100.0	100.0	100.0	1,183.9
1984	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	103.0	103.0	1,206.0
1985	103.0	103.0	103.0	103.0	110.0	110.0	110.0	110.0	110.0	110.0	100.0	100.0	1,272.0
1986	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	105.1	105.1	1,210.2
1987	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	111.7	1,267.8
1988	111.7	104.5	111.7	108.1	111.7	108.1	111.7	111.7	108.1	111.7	108.1	111.7	1,318.8
1989	111.7	100.9	111.7	108.1	111.7	97.1	100.3	100.3	97.1	100.3	97.1	100.3	1,236.6
1990	100.3	90.6	100.3	97.1	100.3	97.1	100.3	100.3	97.1	100.3	97.1	100.3	1,181.1

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

USSR

Size (Square Miles): 8,600,387
Location: Eastern Europe & northern Asia



USSR

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	18.73	12.40	12.69	1.89	0.82	46.52
1981	18.51	13.44	12.49	1.90	0.72	47.06
1982	18.78	14.44	13.05	1.79	1.11	49.17
1983	18.51	15.64	12.91	1.85	1.23	50.13
1984	18.86	17.21	12.86	2.08	1.59	52.60
1985	19.07	18.89	12.95	2.10	1.90	54.91
1986	19.02	20.03	13.53	2.19	1.69	56.46
1987	19.07	20.94	13.69	2.22	1.96	57.88
1988	18.81	22.50	14.01	2.31	2.26	59.89
1989	18.56	23.40	13.46	2.26	2.24	59.92

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	17.03	7.85	13.02	1.26	0.12	39.28
1974	18.24	8.65	13.33	1.36	0.19	41.77
1975	20.72	9.52	13.10	1.30	0.21	44.85
1976	21.94	10.56	13.30	1.40	0.26	47.46
1977	23.04	11.39	13.49	1.51	0.36	49.79
1978	24.12	12.25	13.52	1.75	0.47	52.11
1979	24.72	13.38	13.44	1.77	0.58	53.88
1980	25.47	14.28	13.24	1.91	0.83	55.73
1981	25.70	15.28	13.07	1.92	0.73	56.70
1982	25.86	16.44	13.31	1.82	1.12	58.55
1983	26.02	17.58	13.32	1.87	1.25	60.03
1984	25.86	19.27	13.24	2.11	1.61	62.10
1985	25.18	21.12	13.50	2.13	1.93	63.86
1986	25.97	22.50	13.95	2.22	1.72	66.37
1987	26.29	23.63	14.17	2.26	2.00	68.36
1988	26.47	25.34	14.41	2.36	2.32	70.90
1989	25.60	26.23	13.90	2.31	2.30	70.33

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

USSR

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Crude Oil Reserves, Beginning of Year	(Mill bbl)	67,000	63,000	63,000	63,000	63,000	63,000	61,000	59,000	59,000	58,500	58,400
Nat. Gas Reserves, Beginning of Year	(tcf)	900	920	1,160	1,240	1,400	1,450	1,500	1,550	1,450	1,500	1,500
Crude Oil Production	(000 b/d)	12,023	12,174	12,279	12,329	12,235	11,904	12,299	12,465	12,480	12,167	11,446
Nat. Gas Production	(bcf)	15,298	16,325	17,721	18,963	20,714	22,701	24,272	25,672	27,301	28,224	28,861
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	10,950	11,400	11,600	11,750	12,000	12,000	12,000	12,260	12,260	12,300	12,300
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	1,530	1,573	1,642	1,697	1,565	1,562	1,660	1,676	1,907	NA	NA
Middle Distillate Demand	(000 b/d)	1,918	1,964	2,015	2,067	1,837	1,777	1,572	1,610	1,480	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	2,493	2,545	2,564	2,595	2,515	2,465	3,127	3,065	2,817	NA	NA
Total Product Demand	(000 b/d)	8,914	9,027	9,253	9,218	8,651	8,650	8,975	8,995	8,890	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	2,430	2,400	2,500	2,600	2,509	2,275	2,450	2,684	2,826	NA	NA
Pet Product Exports	(000 b/d)	926	971	985	1,007	1,331	1,310	1,340	1,221	1,237	NA	NA
Total Pet Exports	(000 b/d)	3,356	3,371	3,485	3,607	3,840	3,585	3,790	3,905	4,063	NA	NA
Crude Oil Imports	(000 b/d)	139	140	100	140	264	262	240	291	396	NA	NA
Pet Product Imports	(000 b/d)	15	19	19	20	27	22	15	16	44	NA	NA
Total Pet Imports	(000 b/d)	154	159	119	160	291	284	255	307	440	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(2,291)	(2,260)	(2,400)	(2,460)	(2,245)	(2,013)	(2,210)	(2,393)	(2,430)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(911)	(952)	(966)	(987)	(1,304)	(1,288)	(1,325)	(1,205)	(1,193)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(3,202)	(3,212)	(3,366)	(3,447)	(3,549)	(3,301)	(3,535)	(3,598)	(3,623)	NA	NA
Total Pet Imports, % of Demand	(Percent)	0.86	0.87	0.65	0.88	1.65	1.61	1.42	1.71	2.48	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	(17.81)	(17.67)	(18.35)	(18.95)	(20.13)	(18.76)	(19.67)	(20.01)	(20.38)	NA	NA
Natural Gas Exports	(bcf)	2,162	2,100	2,240	2,185	2,312	2,510	2,778	2,973	3,140	NA	NA
Natural Gas Imports	(bcf)	120	110	80	80	80	108	105	78	78	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum, Energy Information Administration, Oil & Gas Journal

USSR

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	6,800	6,880	6,897	6,911	6,994	7,057	7,088	7,112	7,300	7,135	7,203	7,206	7,048.6
1971	7,253	7,300	7,371	7,373	7,349	7,300	7,465	7,324	7,543	7,583	7,592	7,771	7,435.3
1972	7,606	7,678	7,724	7,762	7,818	7,835	7,889	7,889	8,030	7,936	8,030	8,006	7,850.3
1973	8,077	8,108	8,148	8,201	8,289	8,371	8,454	8,454	8,663	8,689	8,760	8,800	8,417.8
1974	8,948	8,838	8,948	9,028	9,137	9,198	9,207	9,042	9,393	9,369	9,441	9,419	9,164.0
1975	9,490	9,594	9,678	9,685	9,725	9,806	9,796	9,890	10,076	9,989	10,025	10,126	9,823.3
1976	10,032	10,170	10,267	10,196	10,244	10,439	10,338	10,408	10,463	10,550	10,560	10,644	10,359.3
1977	10,667	10,689	10,856	10,853	10,880	10,926	10,950	10,974	10,950	11,091	11,122	11,165	10,926.9
1978	11,115	11,185	11,209	11,315	11,327	11,360	11,444	11,495	11,534	11,650	11,700	11,665	11,416.6
1979	11,650	11,600	11,600	11,680	11,350	11,630	11,663	11,798	11,704	11,868	11,923	12,010	11,706.3
1980	11,870	11,856	11,900	11,950	12,010	11,950	12,080	12,127	12,167	12,130	12,050	12,190	12,023.3
1981	12,150	12,150	12,200	12,140	12,150	12,155	12,170	12,222	12,167	12,198	12,190	12,198	12,174.2
1982	12,140	12,140	12,240	12,250	12,250	12,300	12,245	12,292	12,193	12,410	12,410	12,480	12,279.2
1983	12,410	12,410	12,410	12,386	12,363	12,410	12,363	12,386	12,410	12,151	12,167	12,080	12,328.8
1984	12,152	12,183	12,386	12,386	12,386	12,410	12,292	12,222	12,167	12,127	12,093	12,010	12,234.5
1985	11,915	11,915	11,923	11,923	11,939	11,680	11,821	11,868	11,923	11,962	11,972	12,010	11,904.3
1986	12,010	12,071	12,175	12,215	12,292	12,288	12,339	12,386	12,410	12,434	12,483	12,481	12,298.7
1987	12,386	12,358	12,481	12,410	12,716	12,410	12,480	12,481	12,483	12,481	12,410	12,481	12,464.8
1988	12,528	12,536	12,481	12,653	12,600	12,500	12,481	12,245	12,410	12,450	12,450	12,430	12,480.3
1989	12,400	12,329	12,329	12,300	12,300	12,190	12,100	12,050	12,000	12,000	12,000	12,000	12,166.5
1990	11,950	11,800	11,600	11,550	11,600	11,750	11,600	11,450	10,850	11,185	11,170	10,850	11,446.3

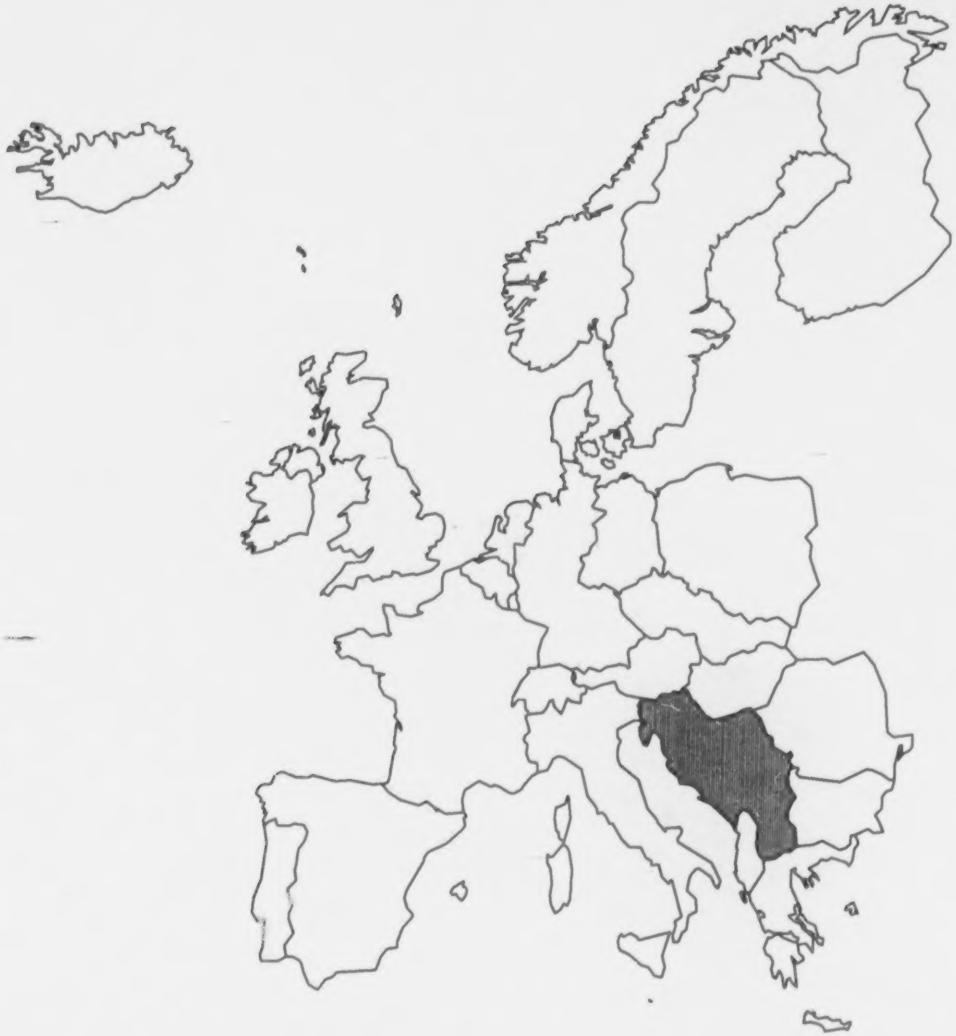
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	653.1	589.5	653.1	610.7	610.7	583.2	600.1	614.2	600.1	642.5	642.5	670.7	7,470.4
1972	670.8	649.5	695.4	664.5	638.9	621.3	620.7	619.4	624.8	653.1	663.6	706.0	7,828.0
1973	720.1	656.6	734.2	691.9	688.3	688.4	691.2	701.2	653.1	673.2	720.1	673.2	8,291.5
1974	720.1	709.5	776.6	737.7	741.3	723.7	724.6	758.9	760.0	808.4	811.2	882.5	9,154.5
1975	864.9	871.9	868.4	861.2	864.8	833.3	833.1	829.6	829.6	840.2	900.1	953.1	10,350.2
1976	953.1	914.3	967.2	921.3	917.8	916.8	924.9	924.9	917.8	988.4	974.3	1,009.6	11,330.4
1977	1,048.4	960.2	960.2	1,048.4	998.9	956.6	984.9	995.5	999.0	1,175.5	1,180.0	1,190.0	12,497.6
1978	1,129.6	1,129.4	1,126.1	1,076.7	1,080.2	1,034.3	1,062.5	1,064.7	1,023.7	1,147.2	1,136.7	1,196.8	13,207.9
1979	1,230.0	1,220.0	1,220.0	1,175.5	1,182.5	1,140.2	1,157.8	1,161.4	1,164.9	1,249.6	1,250.6	1,306.1	14,458.6
1980	1,309.6	1,232.0	1,306.1	1,246.1	1,256.7	1,200.2	1,246.1	1,260.2	1,270.8	1,270.0	1,323.8	1,376.7	15,298.3
1981	1,419.1	1,299.0	1,420.0	1,345.0	1,313.0	1,271.0	1,270.0	1,334.0	1,334.0	1,430.0	1,430.0	1,460.0	16,325.1
1982	1,504.0	1,380.0	1,528.5	1,436.7	1,457.9	1,412.0	1,419.1	1,436.7	1,447.3	1,546.1	1,528.5	1,623.8	17,720.6
1983	1,627.4	1,486.1	1,652.0	1,528.5	1,570.8	1,517.9	1,514.4	1,539.1	1,482.6	1,648.5	1,648.5	1,747.3	18,963.1
1984	1,747.4	1,648.5	1,757.9	1,680.3	1,697.9	1,623.8	1,669.7	1,697.9	1,694.4	1,821.5	1,803.8	1,870.9	20,714.0
1985	1,930.9	1,775.6	1,941.5	1,853.2	1,892.1	1,765.0	1,825.0	1,846.2	1,870.9	1,990.9	1,962.7	2,047.4	22,701.4
1986	2,075.6	1,895.6	2,118.0	1,983.9	2,005.0	1,906.2	1,959.2	1,969.7	1,976.8	2,103.9	2,089.8	2,188.6	24,272.3
1987	2,221.3	2,030.6	2,210.7	2,083.6	2,118.9	2,012.9	2,048.3	2,048.3	2,083.6	2,223.9	2,259.2	2,330.8	25,672.1
1988	2,369.6	2,221.3	2,366.1	2,224.8	2,275.0	2,146.6	2,118.9	2,189.5	2,189.5	2,357.0	2,394.8	2,447.7	27,300.8
1989	2,510.0	2,300.0	2,391.0	2,333.0	2,336.0	2,187.7	2,208.0	2,279.0	2,200.0	2,500.0	2,484.0	2,495.0	28,223.7
1990	2,630.0	2,400.0	2,420.0	2,391.0	2,430.0	2,250.0	2,340.0	2,340.0	2,250.0	2,500.0	2,450.0	2,460.0	28,861.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Yugoslavia

Size (Square Miles): 98,766
Location: Eastern Europe



Yugoslavia

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	20,209	20,371	20,572	20,772	20,956	21,164	21,365	21,573	21,775	21,968	22,166
GNP (Mill US Dollars)	11,920	13,680	14,765	15,765	20,370	26,792	31,040	37,198	45,628	54,839	68,158
GNP per Capita (US Dollars)	600	660	740	780	870	1,150	1,380	1,620	1,970	2,400	2,880
Consumer Price Index (1987=100)	0.6	0.6	0.7	0.8	1.0	1.2	1.5	1.7	1.9	2.2	2.7

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	22,304	22,471	22,646	22,800	22,963	23,123	23,271	23,411	23,559	23,707
GNP (Mill US Dollars)	72,398	70,400	63,082	46,800	44,280	46,188	64,668	65,003	59,968	75,110
GNP per Capita (US Dollars)	3,250	3,450	3,230	2,640	2,270	2,040	2,290	2,510	2,720	2,920
Consumer Price Index (1987=100)	3.5	4.9	6.4	9.0	13.9	23.9	45.3	100.0	294.1	3,940.5

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Yugoslavia

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	0.65	0.13	0.64	0.28	*	1.70
1981	0.60	0.16	0.72	0.26	*	1.75
1982	0.60	0.16	0.73	0.24	0.03	1.76
1983	0.57	0.15	0.80	0.22	0.05	1.78
1984	0.69	0.20	0.83	0.25	0.05	2.02
1985	0.70	0.21	0.87	0.25	0.05	2.07
1986	0.64	0.22	0.88	0.28	0.05	2.07
1987	0.66	0.26	0.89	0.26	0.05	2.12
1988	0.67	0.28	0.88	0.26	0.04	2.13
1989	0.63	0.29	0.88	0.24	0.04	2.09

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	NA	NA	0.38	0.17	0.00	NA
1974	NA	NA	0.40	0.21	0.00	NA
1975	0.16	0.06	0.42	0.20	0.00	0.84
1976	0.16	0.07	0.44	0.21	0.00	0.88
1977	0.17	0.07	0.46	0.25	0.00	0.95
1978	0.17	0.08	0.47	0.26	0.00	0.98
1979	0.19	0.07	0.49	0.27	0.00	1.02
1980	0.19	0.07	0.55	0.29	0.00	1.10
1981	0.19	0.07	0.61	0.26	*	1.13
1982	0.18	0.07	0.64	0.24	0.03	1.16
1983	0.19	0.06	0.68	0.22	0.04	1.19
1984	0.17	0.08	0.74	0.27	0.05	1.31
1985	0.19	0.09	0.75	0.25	0.05	1.33
1986	0.17	0.10	0.77	0.29	0.05	1.38
1987	0.18	0.09	0.78	0.27	0.05	1.37
1988	0.18	0.12	0.78	0.27	0.04	1.39
1989	0.17	0.12	0.82	0.25	0.04	1.40

* Denotes less than 5 trillion Btu.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Yugoslavia

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	22	22	24	21	25	27	30	31	31	32	31
Well Completions	**(Total)**	61	149	158	193	133	210	196	128	NA	135	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	275	265	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat. Gas Reserves, Beginning of Year	**(bcf)**	1,000	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	296	297	297	297	297	297	302	483	608	609	609
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	50	48	56	50	75	69	54	57	58	NA	NA
Middle Distillate Demand	**(000 b/d)**	72	95	94	75	73	69	90	96	95	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	133	90	97	111	108	107	87	101	108	NA	NA
Total Product Demand	**(000 b/d)**	301	285	286	267	325	331	304	313	316	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	0	0	0	0	0	0	0	1	0	NA	NA
Pet Product Exports	**(000 b/d)**	12	10	8	13	18	14	12	18	29	NA	NA
Total Pet Exports	**(000 b/d)**	12	10	8	13	18	14	12	19	29	NA	NA
Crude Oil Imports	**(000 b/d)**	223	190	179	194	194	186	220	220	222	NA	NA
Pet Product Imports	**(000 b/d)**	19	21	27	29	24	30	22	25	25	NA	NA
Total Pet Imports	**(000 b/d)**	242	211	206	223	218	216	242	245	247	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	223	190	179	194	194	186	220	219	222	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	7	11	19	16	6	16	10	7	(4)	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	230	201	198	210	200	202	230	226	218	NA	NA
Natural Gas Exports	**(bcf)**	NA	NA	NA	NA	0	0	0	0	0	NA	NA
Natural Gas Imports	**(bcf)**	NA	NA	NA	NA	128	126	138	186	171	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Yugoslavia

Active Drilling Rigs
Land, Offshore, Total

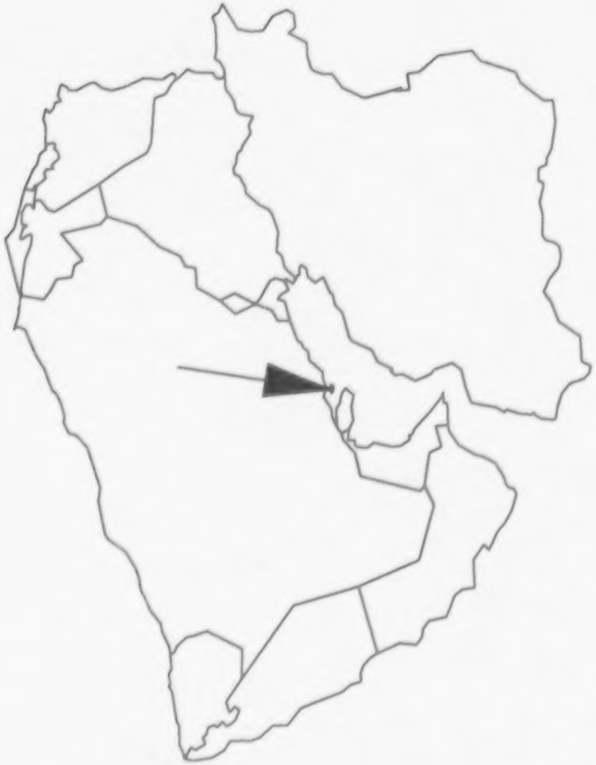
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	22	22	22	22	22	22	22	22	22	22	22	22	22
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	22	22	22	22	22	22	22	22	22	22	22	22	22
1982													
Land	22	22	22	22	22	25	25	25	25	25	25	25	24
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	22	22	22	22	22	25	25	25	25	25	25	25	24
1983													
Land	25	25	25	25	25	25	19	19	12	12	12	12	20
Offshore	0	0	0	0	0	0	2	2	2	2	2	2	1
Total	25	25	25	25	25	25	21	21	14	14	14	14	21
1984													
Land	12	19	25	25	25	25	25	25	25	25	25	25	23
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	14	21	27	27	27	27	27	27	27	27	27	27	25
1985													
Land	25	25	25	25	25	25	25	25	25	25	25	25	25
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	27	27	27	27	27	27	27	27	27	27	27	27	27
1986													
Land	25	27	27	27	27	27	27	27	27	27	27	27	27
Offshore	2	3	3	3	3	3	3	3	3	3	3	3	3
Total	27	30	30	30	30	30	30	30	30	30	30	30	30
1987													
Land	27	27	27	27	29	29	29	28	28	28	28	28	28
Offshore	3	3	3	3	2	2	2	3	3	3	3	3	3
Total	30	30	30	30	31	31	31	31	31	31	31	31	31
1988													
Land	28	28	28	28	28	28	28	28	28	28	28	28	28
Offshore	3	3	3	3	3	3	3	3	3	3	3	3	3
Total	31	31	31	31	31	31	31	31	31	31	31	31	31
1989													
Land	28	28	28	28	28	28	28	28	28	28	33	35	29
Offshore	3	3	3	3	3	3	3	3	3	3	5	3	3
Total	31	31	31	31	31	31	31	31	31	31	38	38	32
1990													
Land	33	35	35	35	35	35	25	25	25	25	25	22	30
Offshore	5	1	1	1	1	1	1	1	1	1	1	1	1
Total	38	36	36	36	36	36	26	26	26	26	26	23	31

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Notes

Bahrain

Size (Square Miles): 256
Location: Middle East



Bahrain

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	204	210	216	227	238	250	262	275	289	303	319
GNP (Mill US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Price Index (1987=100)	25.8	26.2	27.8	29.2	33.3	41.5	48.2	59.0	69.5	80.5	82.2

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	334	353	374	390	407	425	442	458	473	489
GNP (Mill US Dollars)	2,925	3,392	3,507	3,536	3,713	3,377	2,856	2,853	2,881	NA
GNP per Capita (US Dollars)	NA	NA	8,830	9,440	9,680	8,380	7,710	6,840	6,360	NA
Consumer Price Index (1987=100)	85.4	95.1	103.6	106.6	107.0	104.2	101.8	100.0	100.3	101.8

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Bahrain

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Primary Energy
1980	0.03	0.10	0.13
1981	0.03	0.13	0.16
1982	0.03	0.14	0.17
1983	0.03	0.15	0.18
1984	0.03	0.14	0.17
1985	0.03	0.17	0.20
1986	0.03	0.19	0.22
1987	0.04	0.23	0.27
1988	0.04	0.17	0.21
1989	0.04	0.18	0.22

Natural Gas Production

1973	0.06
1974	0.07
1975	0.07
1976	0.08
1977	0.08
1978	0.08
1979	0.10
1980	0.10
1981	0.13
1982	0.14
1983	0.15
1984	0.14
1985	0.17
1986	0.19
1987	0.23
1988	0.17
1989	0.18

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Bahrain

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Well Completions	**(Total)**	NA	NA	NA	NA	NA	NA	22	24	NA	20	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	240	225	209	197	185	170	155	140	141	126	112
Nat. Gas Reserves, Beginning of Year	**(bcf)**	9,000	9,000	8,600	7,890	7,400	7,260	7,103	7,000	6,900	6,700	6,476
Crude Oil Production	**(000 b/d)**	48.2	44.5	43.9	41.3	41.2	41.8	42.0	42.4	42.8	42.7	41.8
Nat. Gas Production	**(bcf)**	90.0	172.9	179.3	193.8	194.3	226.3	215.7	175.6	184.9	193.8	209.9
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	250	250	250	250	250	250	250	250	250	243	243
Petroleum Product Demand												
Motor Gasoline Demand +	**(000 b/d)**	NA	3	4	3	7	5	4	4	5	NA	NA
Middle Distillate Demand	**(000 b/d)**	NA	4	8	3	4	5	2	3	3	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	NA	5	4	3	1	1	*	1	1	NA	NA
Total Product Demand	**(000 b/d)**	NA	35	31	27	26	16	16	19	20	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	**(000 b/d)**	225	237	176	166	181	179	232	230	234	NA	NA
Total Pet Exports	**(000 b/d)**	225	237	176	166	181	179	232	230	234	NA	NA
Crude Oil Imports	**(000 b/d)**	192	213	150	132	156	144	200	195	199	NA	NA
Pet Product Imports	**(000 b/d)**	0	0	0	0	0	0	0	0	2	NA	NA
Total Pet Imports	**(000 b/d)**	192	213	150	132	156	144	200	195	201	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	192	213	150	132	156	144	200	195	199	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	(225)	(237)	(176)	(166)	(181)	(179)	(232)	(230)	(232)	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	(33)	(24)	(26)	(34)	(25)	(35)	(32)	(35)	(33)	NA	NA
Natural Gas Exports	**(bcf)**	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	**(bcf)**	0	0	0	0	0	0	0	0	0	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal, Society of Exploration Geophysicists

Bahrain

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	76	77	79	77	77	77	76	76	76	76	76	77	76.6
1971	76	76	76	75	75	76	75	75	75	75	73	73	74.9
1972	74	73	74	72	72	71	70	70	70	68	56	67	69.8
1973	68	68	69	68	68	69	68	68	68	68	69	69	68.3
1974	70	69	68	67	66	67	67	66	67	68	67	67	67.4
1975	66	65	68	62	62	62	62	59	59	58	57	57	61.4
1976	56	57	57	58	59	59	58	57	58	60	60	60	58.3
1977	57	58	57	56	56	57	56	55	54	54	56	56	56.0
1978	56	55	55	54	53	52	51	53	53	53	53	52	53.3
1979	50	50	50	50	50	50	50	50	50	50	50	51	50.1
1980	51	50	50	50	50	50	50	45	45	46	46	45	48.2
1981	45	45	45	45	45	45	43	43	43	45	45	45	44.5
1982	46	46	45	45	45	44	44	43	43	42	42	42	43.9
1983	42	42	42	43	41	42	41	40	40	40	42	40	41.3
1984	42	42	42	42	41	42	41	39	41	41	39	42	41.2
1985	40	42	42	42	42	42	42	42	43	42	41	42	41.8
1986	40	40	40	40	40	40	44	44	44	44	44	44	42.0
1987	42	43	42	42	44	41	44	41	42	44	43	41	42.4
1988	41	42	43	43	43	43	42	42	42	45	44	43	42.8
1989	43	43	44	41	43	43	43	40	43	43	43	43	42.7
1990	44	41	41	41	41	42	41	42	42	43	42	42	41.8

Natural Gas
Billion Cubic Feet

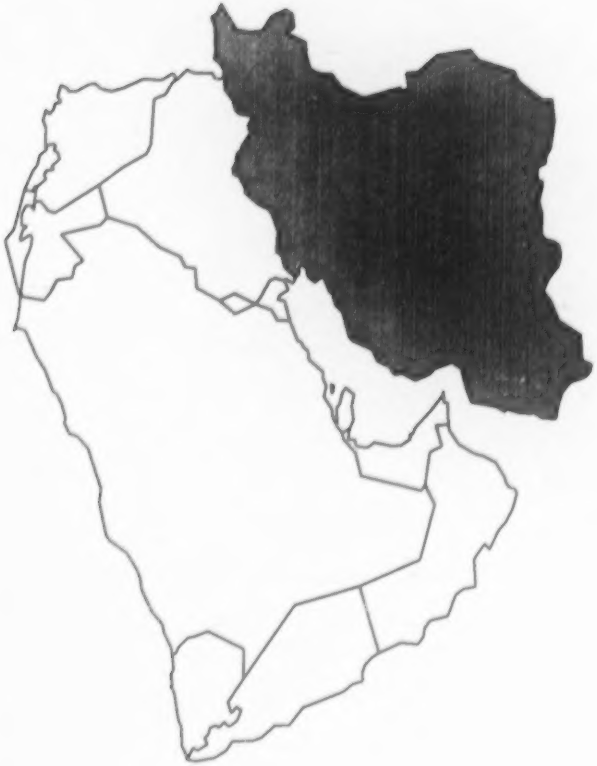
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	2.5	2.5	0.1	0.2	0.1	0.2	0.1	2.2	2.1	2.0	2.0	2.0	16.0
1972	1.9	2.0	1.0	0.9	0.8	0.3	0.3	0.2	0.3	0.3	0.3	0.3	8.6
1973	0.3	2.1	2.8	2.7	3.0	2.1	1.8	1.2	1.1	1.0	1.2	1.0	20.3
1974	0.5	0.3	0.2	0.1	0.5	0.4	0.5	0.3	0.2	0.1	0.1	0.1	3.3
1975	0.2	0.1	0.5	0.4	0.3	0.2	0.3	0.4	0.3	0.2	0.1	0.1	3.1
1976	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.4	0.4	2.2
1977	10.0	8.4	8.0	8.0	7.0	9.6	10.1	9.1	9.1	10.0	10.0	10.0	109.3
1978	9.8	10.0	9.6	10.1	11.1	11.0	10.6	9.6	9.4	9.0	8.4	7.6	116.2
1979	6.7	6.0	6.0	5.6	6.0	5.8	6.0	6.0	4.9	4.0	4.0	4.0	65.0
1980	4.0	3.0	2.0	2.0	2.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	90.0
1981	11.9	12.0	12.0	12.0	15.0	15.0	15.0	16.0	16.0	16.0	16.0	16.0	172.9
1982	15.0	12.6	13.8	13.9	16.8	15.6	16.7	17.0	16.0	14.7	13.0	14.2	179.3
1983	15.0	12.2	13.4	14.0	16.4	17.0	17.2	18.2	17.2	18.2	17.2	17.8	193.8
1984	14.4	13.9	14.8	15.3	17.0	17.4	18.1	17.7	17.3	16.6	15.7	16.1	194.3
1985	15.7	14.4	16.5	16.2	17.9	19.5	21.8	22.3	21.6	21.1	19.4	19.9	226.3
1986	19.2	17.3	19.2	18.6	19.2	18.6	19.2	19.2	18.6	19.2	13.7	13.7	215.7
1987	13.3	12.2	12.8	13.8	14.2	16.0	16.5	17.5	15.9	15.5	13.8	14.1	175.6
1988	13.5	13.6	15.3	13.1	16.1	15.6	17.4	17.6	17.3	16.7	14.4	14.3	184.9
1989	12.0	13.0	15.1	15.0	17.4	17.5	18.1	19.1	17.8	17.2	15.9	15.7	193.8
1990	16.1	14.8	15.4	15.7	17.4	18.5	19.9	18.5	18.4	18.6	18.0	18.6	209.9

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Notes

Iran

Size (Square Miles): 636,296
Location: Middle East



Iran

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	27,577	28,429	29,381	30,358	31,350	32,347	33,344	34,336	35,319	36,302	37,306
GNP (Mill US Dollars)	9,294	10,535	12,779	16,304	26,655	45,527	51,298	66,525	82,885	75,823	90,678
GNP per Capita (US Dollars)	350	380	420	500	690	940	1,310	1,890	2,180	1,980	2,110
Consumer Price Index (1987=100)	9.4	9.6	10.0	10.6	11.6	13.3	15.0	16.7	21.3	23.8	26.3

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	38,345	39,420	40,537	41,702	42,925	44,212	45,578	47,029	48,569	50,204
GNP (Mill US Dollars)	92,609	104,711	132,054	160,736	164,864	188,328	236,538	146,512	148,014	154,585
GNP per Capita (US Dollars)	2,030	2,600	3,240	3,660	3,920	4,210	4,180	3,870	3,590	3,190
Consumer Price Index (1987=100)	31.7	39.3	46.7	55.9	62.9	65.7	77.8	100.0	128.7	157.4

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Iran

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1980	1.25	0.24	0.02	0.06	1.57
1981	1.24	0.16	0.02	0.06	1.48
1982	1.40	0.21	0.02	0.07	1.70
1983	1.67	0.33	0.02	0.06	2.08
1984	1.62	0.50	0.03	0.07	2.22
1985	1.66	0.63	0.02	0.07	2.38
1986	1.76	0.57	0.03	0.06	2.42
1987	1.83	0.60	0.04	0.07	2.54
1988	1.85	0.75	0.03	0.07	2.70
1989	1.96	0.78	0.04	0.07	2.85

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1973	12.66	0.55	NA	NA	13.27
1974	13.01	0.60	NA	NA	13.68
1975	11.57	0.60	0.03	0.04	12.23
1976	12.75	0.61	0.02	0.04	13.43
1977	12.23	0.58	0.02	0.04	12.88
1978	11.34	0.53	0.02	0.04	11.93
1979	6.82	0.57	0.02	0.04	7.46
1980	3.59	0.26	0.02	0.06	3.93
1981	2.98	0.22	0.01	0.06	3.28
1982	4.77	0.26	0.02	0.07	5.12
1983	5.25	0.33	0.02	0.06	5.67
1984	4.70	0.50	0.02	0.07	5.29
1985	4.86	0.63	0.02	0.07	5.57
1986	4.39	0.57	0.03	0.06	5.06
1987	4.97	0.60	0.03	0.07	5.66
1988	4.86	0.75	0.03	0.07	5.70
1989	6.19	0.77	0.02	0.07	7.06

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Iran

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	0	0	3	13	20	20	18	18	18	20	19
Well Completions	(Total)	0	0	0	NA	NA	NA	58	NA	NA	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	58,000	57,500	57,000	55,308	51,000	48,500	47,876	48,800	92,850	92,850	92,860
Nat. Gas Reserves, Beginning of Year	(bcf)	490,000	485,000	484,000	482,600	480,000	478,600	470,000	450,000	489,400	494,400	500,000
Crude Oil Production	(000 b/d)	1,454	1,333	1,992	2,467	2,175	2,242	1,850	2,309	2,237	2,948	3,143
Nat. Gas Production	(bcf)	289	53	269	498	460	440	489	648	620	794	855
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	921	1,121	530	530	530	530	530	530	530	530	530
Ethylene Capacity	(000 Tons/Yr)	NA	26	26	26	26	26	26	26	26	26	26
Petroleum Product Demand												
Motor Gasoline Demand +	(000 b/d)	69	73	80	82	94	111	110	108	110	NA	NA
Middle Distillate Demand	(000 b/d)	136	254	292	231	230	235	245	260	300	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	168	154	154	215	214	190	203	184	242	NA	NA
Total Product Demand	(000 b/d)	570	633	675	675	725	725	740	775	870	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	897	731	1,450	1,719	1,586	1,569	1,385	1,720	1,640	NA	NA
Pet Product Exports	(000 b/d)	106	85	95	97	37	39	30	15	15	NA	NA
Total Pet Exports	(000 b/d)	1,003	816	1,545	1,816	1,623	1,608	1,415	1,735	1,655	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	1	0	0	0	61	46	81	215	270	NA	NA
Total Pet Imports	(000 b/d)	1	0	0	0	61	46	81	215	270	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(897)	(731)	(1,450)	(1,719)	(1,586)	(1,569)	(1,385)	(1,720)	(1,640)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(105)	(85)	(95)	(97)	24	7	51	200	255	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(1,002)	(816)	(1,545)	(1,816)	(1,562)	(1,562)	(1,334)	(1,520)	(1,385)	NA	NA
Natural Gas Exports	(bcf)	60	15	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Iran

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1982													
Land	0	0	0	0	0	0	0	0	0	9	9	9	2
Offshore	0	0	0	0	0	0	0	0	0	2	2	2	1
Total	0	0	0	0	0	0	0	0	0	11	11	11	3
1983													
Land	9	9	2	2	6	6	17	17	18	18	18	18	12
Offshore	2	2	0	0	1	1	2	2	2	2	2	2	2
Total	11	11	2	2	7	7	19	19	20	20	20	20	14
1984													
Land	18	18	18	18	18	18	18	18	18	18	18	18	18
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	20	20	20	20	20	20	20	20	20	20	20	20	20
1985													
Land	18	18	18	18	18	18	18	18	18	18	18	18	18
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	20	20	20	20	20	20	20	20	20	20	20	20	20
1986													
Land	18	16	16	16	16	16	16	16	16	16	16	16	16
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	20	18	18	18	18	18	18	18	18	18	18	18	18
1987													
Land	16	16	15	15	15	16	20	20	20	20	18	18	17
Offshore	2	2	0	0	0	0	0	0	0	0	0	0	0
Total	18	18	15	15	15	16	20	20	20	20	18	18	18
1988													
Land	18	18	18	18	18	18	18	18	18	18	18	18	18
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	18	18	18	18	18	18	18	18	18	18	18	18	18
1989													
Land	18	20	20	20	20	14	14	14	27	27	20	20	20
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	18	20	20	20	20	14	14	14	27	27	20	20	20
1990													
Land	20	20	20	20	20	20	17	17	17	17	17	17	19
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	20	20	20	20	20	20	17	17	17	17	17	17	19

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Iran

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	3,899	3,915	3,748	3,695	3,678	3,499	3,414	4,016	3,927	4,066	4,128	3,994	3,831.4
1971	4,199	4,300	4,603	4,535	4,632	4,637	4,327	4,654	4,597	4,593	4,707	4,578	4,530.2
1972	4,706	4,786	4,727	3,822	4,993	4,943	4,937	4,977	5,024	5,131	5,561	5,643	4,937.5
1973	5,809	5,836	5,833	5,770	5,843	5,827	5,874	5,702	5,793	5,978	6,009	6,071	5,862.0
1974	6,103	6,157	6,125	6,175	6,182	6,063	6,064	5,956	5,836	5,720	6,015	5,915	6,025.9
1975	5,544	5,900	5,513	5,456	5,094	5,126	5,437	5,508	6,104	4,730	4,995	4,854	5,355.1
1976	4,940	5,018	5,744	5,502	5,600	6,102	5,576	5,823	6,461	6,507	6,677	6,630	5,881.7
1977	5,059	6,052	6,275	5,412	5,741	5,104	4,713	5,660	5,972	5,531	6,086	6,385	5,665.8
1978	5,292	5,530	5,602	5,611	5,704	5,763	5,804	5,808	6,053	5,492	3,494	2,371	5,210.3
1979	700	700	2,350	4,000	3,900	3,900	3,800	3,500	3,500	3,800	3,300	2,900	3,029.2
1980	2,300	2,500	2,000	1,800	1,300	1,500	1,500	1,300	1,100	450	700	1,000	1,454.2
1981	1,200	1,500	1,800	1,600	1,600	1,400	1,400	1,200	1,200	900	1,000	1,200	1,333.3
1982	1,100	1,000	1,200	1,500	2,000	2,200	2,200	2,300	2,300	2,500	2,800	2,800	1,991.7
1983	2,900	2,400	2,100	2,200	2,500	2,500	2,800	2,500	2,800	2,300	2,300	2,300	2,466.7
1984	2,200	2,300	2,400	2,200	1,700	2,200	2,400	1,800	1,900	2,100	2,400	2,500	2,175.0
1985	1,800	2,200	2,300	2,500	2,200	2,200	2,400	2,400	1,900	2,400	2,200	2,400	2,241.7
1986	1,700	2,200	2,000	2,100	2,100	2,000	2,200	1,800	1,500	1,300	1,500	1,800	1,850.0
1987	2,200	1,800	2,300	2,300	2,600	2,400	2,500	3,000	2,020	2,390	2,000	2,200	2,309.2
1988	1,980	1,790	2,020	2,130	2,230	2,030	2,540	2,270	2,540	2,270	2,420	2,620	2,236.7
1989	2,970	2,890	3,210	3,000	2,430	2,910	2,600	3,370	2,990	2,950	3,100	2,950	2,947.5
1990	2,700	3,200	3,150	2,980	3,280	3,000	2,940	3,220	3,500	2,830	3,430	3,490	3,143.3

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	99.3	90.3	189.4	103.4	103.2	103.4	99.4	114.4	115.6	104.9	110.7	111.1	1,345.1
1972	112.8	107.6	106.0	109.8	115.2	121.1	123.3	120.9	126.3	127.8	130.4	128.5	1,429.7
1973	137.9	137.9	138.1	138.9	141.2	142.7	139.2	143.7	143.7	142.6	143.3	144.6	1,693.8
1974	145.7	141.3	141.7	140.8	153.5	149.6	159.2	151.3	75.6	74.2	75.4	76.2	1,484.5
1975	64.4	64.5	64.4	149.8	146.7	145.6	145.7	146.2	146.2	138.4	141.0	140.7	1,493.6
1976	141.2	142.0	143.0	142.6	141.2	140.0	142.6	142.0	141.6	143.7	139.9	140.0	1,699.8
1977	139.6	140.6	141.2	141.4	140.2	150.0	150.6	149.2	149.7	150.0	151.2	152.4	1,756.1
1978	150.6	151.2	150.2	149.6	147.4	145.2	189.0	176.5	160.0	147.0	100.2	80.0	1,746.9
1979	74.0	60.2	60.1	60.1	84.7	84.1	84.7	84.7	84.7	80.0	78.0	78.0	913.3
1980	60.0	41.0	40.0	30.0	30.0	20.0	18.0	14.0	10.0	10.0	8.0	8.0	289.0
1981	7.0	7.0	7.0	6.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	53.0
1982	3.0	22.5	25.0	24.0	25.0	21.2	21.2	21.2	21.2	21.2	31.8	31.8	269.1
1983	42.4	39.6	42.4	41.0	42.4	41.0	42.4	42.4	41.0	42.4	41.0	40.0	498.0
1984	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	30.0	30.0	460.0
1985	30.0	30.0	30.0	30.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	440.0
1986	39.7	35.9	39.7	38.4	39.7	38.4	39.7	39.7	38.4	39.7	50.0	50.0	489.3
1987	59.5	53.7	51.0	51.0	57.6	53.2	55.4	59.8	48.9	55.9	48.4	53.2	647.6
1988	48.4	43.8	49.3	52.0	52.0	50.6	63.3	49.3	55.1	49.3	52.5	54.3	619.9
1989	61.6	59.9	63.2	59.1	52.9	67.7	70.0	79.4	70.4	69.5	70.7	69.5	793.9
1990	65.7	70.3	76.6	70.1	74.8	66.2	67.3	73.3	77.1	63.7	74.7	74.9	854.7

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Iran

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)
1981	2.16	0.13	0.06	0.14	0.44	NA
1982	NA	NA	NA	NA	NA	NA
1983	NA	NA	NA	NA	NA	NA
1984	NA	NA	NA	NA	NA	NA
1985	NA	NA	NA	NA	NA	NA
1986	1.59	NA	0.41	0.10	0.35	15.41

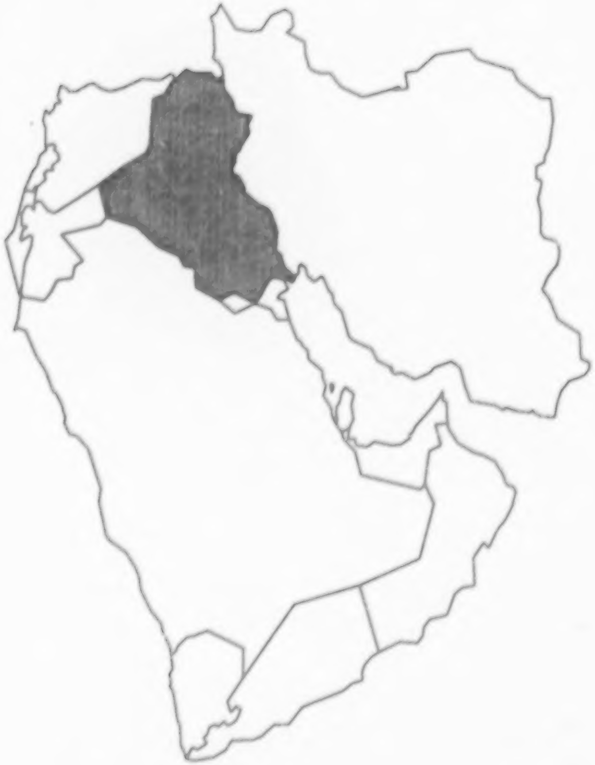
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Iraq

Size (Square Miles): 169,235
Location: Middle East



Iraq

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	9,150	9,440	9,750	10,074	10,413	10,765	11,124	11,505	12,000	12,405	12,821
GNP (Mill US Dollars)	3,304	3,591	4,144	4,372	5,388	11,619	13,851	18,170	20,460	24,465	38,572
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Population (Thousands)	13,238	13,669	14,110	14,586	15,077	15,585	16,110	16,659	17,208	17,757
GNP (Mill US Dollars)	53,586	37,289	42,282	42,129	47,583	49,442	44,836	48,003	52,000	66,000
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,717

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

Iraq

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Other	Primary Energy
1980	0.45	0.07	0.52
1981	0.45	0.03	0.48
1982	0.43	0.03	0.46
1983	0.53	0.02	0.55
1984	0.51	0.03	0.54
1985	0.54	0.03	0.57
1986	0.59	0.03	0.62
1987	0.59	0.05	0.64
1988	0.67	0.10	0.77
1989	0.71	0.10	0.81

Production

	Petroleum	Other	Primary Energy
1973	4.30	0.05	4.35
1974	4.20	0.04	4.24
1975	4.82	0.06	4.88
1976	5.16	0.09	5.25
1977	5.01	0.07	5.08
1978	5.46	0.07	5.53
1979	7.42	0.07	7.49
1980	5.38	0.07	5.45
1981	2.13	0.03	2.16
1982	2.16	0.03	2.19
1983	2.14	0.03	2.17
1984	2.59	0.02	2.61
1985	3.06	0.03	3.09
1986	3.61	0.05	3.66
1987	4.44	0.14	4.58
1988	5.75	0.22	5.97
1989	6.07	0.23	6.30

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Iraq

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	39	14	11	23	19	28	21	10	23	26	23
Well Completions	(Total)	67	0	0	NA	NA	NA	40	89	106	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	31,000	30,000	29,700	41,000	43,000	44,500	44,110	47,100	100,000	100,000	100,000
Nat. Gas Reserves, Beginning of Year	(bcf)	27,500	27,450	27,300	28,800	29,000	28,800	29,000	28,000	26,300	95,000	95,000
Crude Oil Production	(000 b/d)	2,688	916	917	883	1,208	1,448	1,691	2,135	2,689	2,890	2,056
Nat. Gas Production	(bcf)	18	71	38	20	19	22	21	46	110	201	141
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	169	169	169	169	169	319	319	319	319	319	319
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	34	31	30	31	35	55	47	53	56	NA	NA
Middle Distillate Demand	(000 b/d)	46	52	52	53	76	81	75	82	90	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	50	70	69	70	55	59	90	66	79	NA	NA
Total Product Demand	(000 b/d)	217	214	205	210	225	258	279	285	320	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	2,459	759	811	788	957	1,123	1,369	1,705	2,300	NA	NA
Pet Product Exports	(000 b/d)	26	42	38	33	53	69	93	86	90	NA	NA
Total Pet Exports	(000 b/d)	2,485	801	849	821	1,010	1,192	1,462	1,791	2,390	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	(000 L/d)	*	0	3	3	*	*	*	*	2	NA	NA
Total Pet Imports	(000 b/d)	0	0	3	3	0	0	0	0	2	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(2,459)	(759)	(811)	(788)	(957)	(1,123)	(1,369)	(1,705)	(2,300)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(26)	(42)	(35)	(30)	(53)	(69)	(93)	(86)	(88)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(2,485)	(801)	(846)	(818)	(1,010)	(1,192)	(1,462)	(1,791)	(2,388)	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Iraq

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	39	39	39	14	5	5	5	5	5	5	5	5	14
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	39	39	39	14	5	5	5	5	5	5	5	5	14
1982													
Land	5	5	5	5	5	5	5	5	5	28	28	28	11
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	5	5	5	5	5	5	5	28	28	28	11
1983													
Land	28	28	22	22	25	25	25	25	18	18	18	18	23
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	28	28	22	22	25	25	25	25	18	18	18	18	23
1984													
Land	18	18	18	18	18	18	18	18	18	18	18	28	19
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	18	18	18	18	18	18	18	18	18	18	18	28	19
1985													
Land	28	28	28	28	30	32	32	25	25	25	25	25	28
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	28	28	28	28	30	32	32	25	25	25	25	25	28
1986													
Land	25	25	25	25	25	25	18	18	18	18	18	10	21
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	25	25	25	25	25	25	18	18	18	18	18	10	21
1987													
Land	8	8	7	8	6	6	8	8	14	14	18	18	10
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	8	8	7	8	6	6	8	8	14	14	18	18	10
1988													
Land	18	23	23	23	23	23	23	22	22	22	22	27	23
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	18	23	23	23	23	23	23	22	22	22	22	27	23
1989													
Land	22	25	27	27	27	27	27	27	20	20	27	30	26
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	22	25	27	27	27	27	27	27	20	20	27	30	26
1990													
Land	30	23	38	38	38	38	38	38	*	*	*	*	23
Offshore	0	0	0	0	0	0	0	0	*	*	*	*	0
Total	30	23	38	38	38	38	38	38	*	*	*	*	23

* No rig report has been received since the Iraq invasion of Kuwait.

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Iraq

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	1,502	1,658	1,426	1,380	1,597	1,515	1,500	1,561	1,531	1,701	1,633	1,759	1,563.5
1971	1,828	1,698	1,725	1,750	1,850	1,729	1,579	1,528	1,579	1,668	1,799	1,906	1,719.9
1972	1,930	1,963	1,451	1,476	1,374	705	902	1,316	1,445	1,671	1,446	1,699	1,448.1
1973	1,487	1,644	2,046	2,113	2,046	2,020	2,083	2,093	2,167	1,797	1,923	2,137	1,963.0
1974	1,794	1,802	1,812	1,882	1,592	1,584	1,635	1,718	1,604	1,877	1,812	2,162	1,772.8
1975	1,970	1,942	2,149	2,348	2,367	2,250	2,367	2,380	2,527	2,475	2,109	2,069	2,246.1
1976	1,830	2,010	2,160	1,440	1,240	1,800	2,150	2,400	2,400	2,600	2,900	3,000	2,160.8
1977	1,900	2,500	2,300	2,100	2,200	2,200	2,000	2,000	2,400	2,400	2,400	2,400	2,233.3
1978	2,100	2,500	2,500	2,500	2,400	2,400	2,400	2,650	2,900	3,000	3,100	3,100	2,629.2
1979	3,300	3,300	3,300	3,300	3,300	3,500	3,500	3,500	3,500	3,500	3,700	3,700	3,450.0
1980	3,500	3,500	3,500	3,500	3,500	3,500	3,400	3,400	2,900	150	300	1,100	2,687.5
1981	400	700	960	800	935	1,000	900	1,000	1,000	1,000	1,100	1,200	916.3
1982	1,300	1,400	1,100	800	800	800	800	800	800	800	800	800	916.7
1983	800	800	800	800	800	800	900	1,000	900	1,000	1,000	1,000	883.3
1984	1,100	1,000	1,200	1,200	1,200	1,200	1,200	1,300	1,300	1,200	1,300	1,300	1,208.3
1985	1,300	1,300	1,300	1,300	1,300	1,360	1,440	1,400	1,580	1,710	1,660	1,720	1,447.5
1986	1,680	1,880	1,690	1,550	1,910	1,780	1,690	1,780	1,680	1,680	1,520	1,450	1,690.8
1987	1,640	1,730	1,620	1,830	1,850	2,080	2,130	2,280	2,620	2,660	2,680	2,500	2,135.0
1988	2,610	2,670	2,660	2,920	2,520	2,830	2,610	2,630	2,740	2,590	2,830	2,660	2,689.2
1989	2,660	2,640	2,630	2,800	2,840	2,960	2,760	3,040	2,990	3,160	3,100	3,100	2,890.0
1990	3,051	2,900	3,120	3,080	3,200	3,320	3,310	900	435	450	450	450	2,055.5

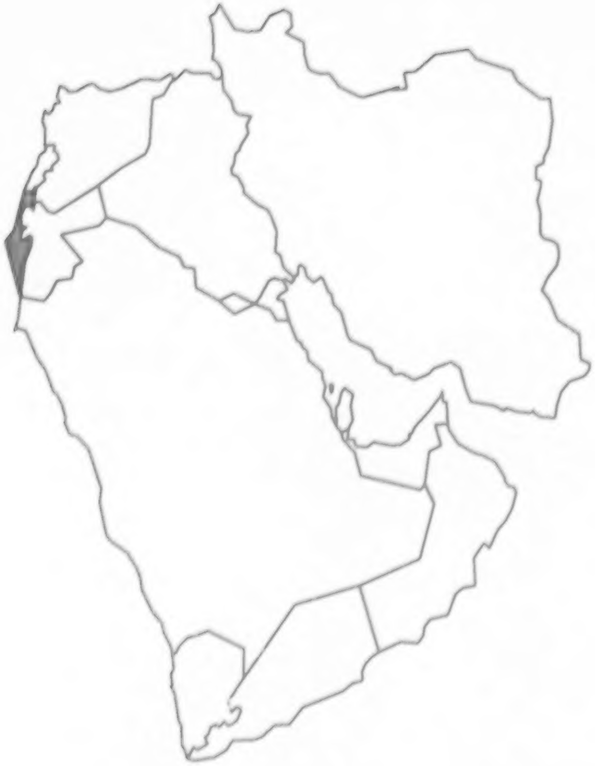
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	2.1	2.0	2.1	2.0	1.7	1.6	1.4	1.2	1.2	1.1	1.2	1.2	18.8
1972	1.1	1.0	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.4
1973	0.0	16.6	16.6	15.0	16.1	15.1	14.2	14.1	12.7	11.7	12.0	11.2	155.3
1974	11.1	11.1	10.9	11.0	11.1	11.1	10.1	10.0	9.7	11.2	11.1	10.9	129.3
1975	11.0	11.0	10.0	9.8	10.0	9.0	9.1	10.1	11.4	11.2	10.0	9.6	122.2
1976	0.0	9.6	11.0	11.1	10.0	8.6	9.1	9.4	10.0	11.0	12.0	12.0	113.8
1977	11.0	12.0	11.9	12.0	11.0	11.2	12.0	11.8	12.0	12.1	12.0	12.0	141.0
1978	12.0	11.8	11.0	11.0	9.8	8.6	9.0	9.0	9.0	8.6	7.9	8.0	115.7
1979	7.9	6.0	6.0	5.8	4.1	4.0	3.8	3.8	2.6	2.0	1.8	1.0	48.8
1980	1.0	1.0	1.0	1.0	1.0	4.0	4.0	1.0	1.0	1.0	1.0	1.0	18.0
1981	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	71.0
1982	5.0	5.0	5.0	5.0	5.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	38.3
1983	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	20.1
1984	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	18.5
1985	2.0	2.0	2.0	2.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	21.6
1986	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.0	2.0	21.0
1987	1.9	1.8	2.2	2.6	2.5	2.9	2.9	5.2	6.0	6.2	6.2	5.8	46.2
1988	6.0	6.1	6.1	6.7	6.6	6.4	5.9	12.6	13.1	12.4	14.0	14.5	110.4
1989	14.5	14.4	15.0	16.0	16.8	16.9	17.5	18.3	17.4	18.4	17.5	18.1	200.8
1990	18.1	16.3	19.0	18.2	18.8	17.9	18.1	4.9	2.3	2.4	2.3	2.4	140.7

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Israel

Size (Square Miles): 8,019
Location: Middle East



Israel

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	2,877	2,974	3,069	3,148	3,278	3,377	3,455	3,533	3,613	3,690	3,786
GNP (Mill US Dollars)	5,714	5,714	5,405	7,143	9,524	13,333	12,698	13,924	14,286	14,286	18,504
GNP per Capita (US Dollars)	1,760	1,830	2,100	2,450	2,680	3,310	3,890	4,080	4,090	4,250	4,730
Consumer Price Index (1987=100)	0.0073	0.0077	0.0087	0.0098	0.0117	0.0164	0.0228	0.03	0.0404	0.0608	0.1

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	3,878	3,956	4,031	4,105	4,170	4,233	4,305	4,375	4,444	4,525
GNP (Mill US Dollars)	21,875	23,684	25,556	28,541	26,314	24,689	31,036	37,292	44,843	44,803
GNP per Capita (US Dollars)	5,390	6,250	6,510	6,780	6,680	6,570	6,780	7,600	8,940	9,750
Consumer Price Index (1987=100)	0.3	0.5	1.2	2.9	13.9	56.3	83.5	100.0	116.3	139.8

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Israel

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Energy Consumption												
Petroleum Consumption	**(Quad BTU)**	0.35	0.35	0.35	0.32	0.31	0.27	0.28	0.30	0.34	0.35	NA
Exploration, Drilling & Production												
Well Completions	**(Total)**	NA	NA	NA	11	5	NA	7	4	3	4	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	1	1	1	1	1	1	1	1	1	2	1
Nat. Gas Reserves, Beginning of Year	**(bcf)**	100	100	90	85	10	8	10	10	30	30	9
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	195	190	190	190	190	170	170	180	180	180	180
Ethylene Capacity	**(000 Tons/Yr)**	NA	24	24	24	24	24	130	130	130	130	130
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	20	19	21	23	22	24	26	26	29	NA	NA
Middle Distillate Demand	**(000 b/d)**	24	22	21	24	21	20	21	20	21	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	81	83	73	62	61	51	53	58	66	NA	NA
Total Product Demand	**(000 b/d)**	170	163	162	151	143	130	133	141	157	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	**(000 b/d)**	11	11	13	13	13	18	17	27	24	NA	NA
Total Pet Exports	**(000 b/d)**	11	11	13	13	13	18	17	27	24	NA	NA
Crude Oil Imports	**(000 b/d)**	152	147	165	147	141	126	147	134	145	NA	NA
Pet Product Imports	**(000 b/d)**	29	26	6	1	1	14	13	29	53	NA	NA
Total Pet Imports	**(000 b/d)**	181	173	171	148	142	140	160	163	198	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	152	147	165	147	141	126	147	134	145	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	18	15	(7)	(12)	(12)	(4)	(4)	2	29	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	170	162	158	135	129	122	143	136	174	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Energy Information Administration, Oil & Gas Journal

Israel

Selected Petroleum Prices
January 1
US Dollars

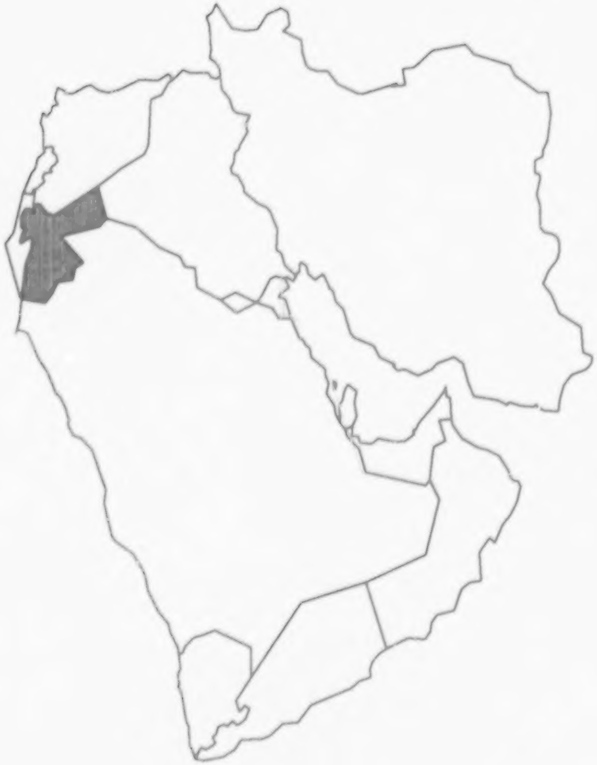
	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	3.07	1.26	1.19	1.28	1.73	NA	31.75
1982	2.08	1.49	1.13	1.37	1.18	NA	33.93
1983	2.37	1.72	1.03	1.76	1.40	NA	30.78
1984	NA	NA	NA	NA	NA	NA	NA
1985	1.97	1.34	1.00	1.32	1.21	NA	28.67
1986	NA	NA	NA	NA	NA	NA	NA
1987	NA	NA	NA	NA	NA	NA	NA
1988	NA	NA	NA	NA	NA	NA	NA
1989	1.89	1.36	1.21	1.44	NA	45.20	13.98
1990	2.20	1.67	0.75	1.69	0.49	NA	33.02

+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Jordan

Size (Square Miles): 35,135
Location: Middle East



Jordan

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	2,241	2,299	2,353	2,400	2,445	2,493	2,550	2,611	2,674	2,744	2,825
GNP (Mill US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Price Index (1987=100)	25.0	26.5	27.8	29.9	33.3	39.7	44.5	49.6	56.8	60.7	69.4

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	2,923	3,025	3,137	3,256	3,380	3,506	3,635	3,767	3,903	4,041
GNP (Mill US Dollars)	NA	NA	NA	4,937	4,822	4,808	5,735	5,996	5,707	4,097
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	1,880	1,940	2,040	2,000	1,730
Consumer Price Index (1987=100)	77.1	83.0	89.2	93.7	97.3	100.2	100.2	100.0	106.6	134.0

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Jordan

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Energy Consumption												
Petroleum Consumption	**(Quad BTU)**	0.08	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.13	0.13	NA
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	0	0	0	0	3	2	2	2	2	3	2
Well Completions	**(Total)**	NA	NA	NA	NA	2	NA	NA	NA	1	NA	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	NA	NA	NA	NA	NA	NA	NA	NA	12	5	5
Nat. Gas Reserves, Beginning of Year	**(bcf)**	NA	NA	NA	NA	NA	NA	NA	NA	NA	980	58
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	21	36	91	100	100	100	100	100	100	100	100
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	NA	7	8	7	14	14	8	8	8	NA	NA
Middle Distillate Demand	**(000 b/d)**	NA	13	20	13	32	29	24	15	15	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	NA	10	13	15	0	7	14	26	23	NA	NA
Total Product Demand	**(000 b/d)**	NA	46	55	49	56	66	62	66	62	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Jordan

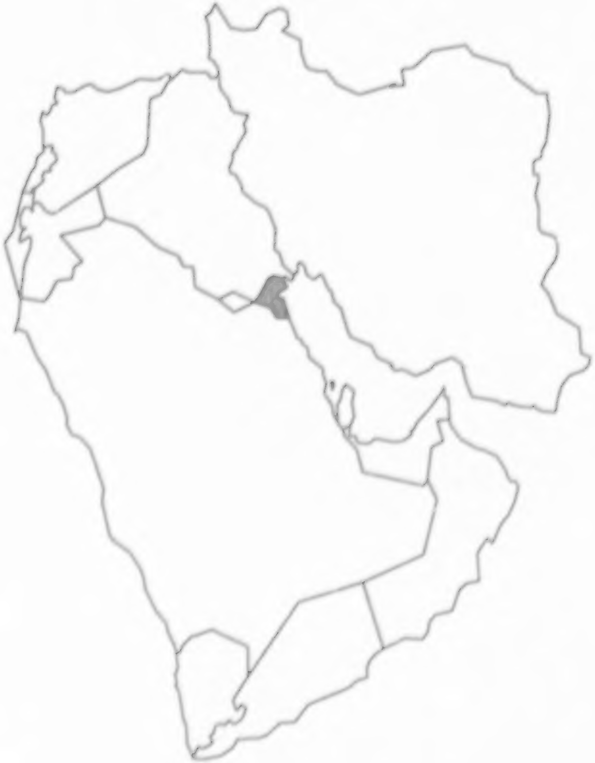
Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1983													
Land	0	0	3	3	3	3	3	3	3	3	3	3	3
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	3	3	3	3	3	3	3	3	3	3	3
1984													
Land	3	3	3	3	3	3	3	3	3	3	3	2	3
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3	3	3	3	3	3	3	3	3	3	3	2	3
1985													
Land	2	2	2	2	2	2	2	2	2	2	2	2	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	2	2	2	2	2	2	2	2	2	2
1986													
Land	2	2	2	2	2	2	2	2	2	3	3	2	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	2	2	2	2	2	2	3	3	2	2
1987													
Land	2	2	2	2	2	2	2	2	3	3	3	3	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	2	2	2	2	2	3	3	3	3	2
1988													
Land	3	3	3	2	2	2	2	2	2	2	2	2	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3	3	3	2	2	2	2	2	2	2	2	2	2
1989													
Land	2	4	3	3	2	3	3	3	3	3	3	2	3
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	4	3	3	2	3	3	3	3	3	3	2	3
1990													
Land	2	2	2	2	2	2	2	2	2	2	2	2	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	2	2	2	2	2	2	2	2	2	2

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Kuwait

Size (Square Miles): 6,880
Location: Middle East



Kuwait

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	3,560	3,350	3,570	3,670	4,250	6,030	9,070	14,530	14,020	15,290	18,440
GNP (Mill US Dollars)	2,333	2,365	3,099	3,341	4,207	12,179	12,797	14,761	15,716	17,790	27,546
GNP per Capita (US Dollars)	690	744	796	845	894	947	1,007	1,073	1,144	1,218	1,296
Consumer Price Index (1987=100)	NA	NA	NA	41.5	44.9	50.7	55.0	57.8	63.6	69.1	74.0

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	1,375	1,451	1,524	1,593	1,655	1,712	1,791	1,873	1,958	2,020
GNP (Mill US Dollars)	33,523	32,581	27,315	26,156	26,169	24,351	24,752	27,352	27,014	32,295
GNP per Capita (US Dollars)	17,790	20,150	18,980	18,540	17,500	15,010	15,710	14,680	14,630	16,380
Consumer Price Index (1987=100)	79.1	84.9	91.5	95.8	97.0	98.4	99.3	100.0	101.5	104.9

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Kuwait

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Primary Energy
1980	0.23	0.26	0.48
1981	0.25	0.10	0.35
1982	0.25	0.10	0.35
1983	0.26	0.13	0.39
1984	0.26	0.15	0.41
1985	0.26	0.15	0.40
1986	0.25	0.20	0.45
1987	0.24	0.30	0.54
1988	0.25	0.35	0.61
1989	0.26	0.37	0.63

Production

	Petroleum	Natural Gas	Primary Energy
1973	6.65	0.10	6.75
1974	5.57	0.10	5.67
1975	4.57	0.10	4.68
1976	4.71	0.13	4.84
1977	4.33	0.14	4.46
1978	4.71	0.19	4.90
1979	5.55	0.23	5.78
1980	3.74	0.15	3.88
1981	2.52	0.17	2.70
1982	1.84	0.14	1.98
1983	2.38	0.13	2.51
1984	2.61	0.15	2.76
1985	2.29	0.15	2.44
1986	3.18	0.18	3.36
1987	3.58	0.20	3.77
1988	3.38	0.24	3.63
1989	4.06	0.25	4.31

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Kuwait

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	3	3	4	5	5	6	6	6	6	4	2
Well Completions	(Total)	36	5	8	NA	11	NA	59	23	1	10	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	65,400	64,900	64,480	64,230	63,900	90,000	89,774	91,916	91,920	91,920	94,525
Nat. Gas Reserves, Beginning of Year	(bcf)	31,000	30,800	30,500	29,900	31,000	32,500	32,500	35,000	36,400	42,500	48,600
Crude Oil Production	(000 b/d)	1,324	940	667	888	946	863	1,242	1,121	1,333	1,592	1,091
Nat. Gas Production	(bcf)	291	340	219	145	144	144	144	162	175	223	148
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	645	645	623	623	623	669	634	618	628	817	819
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	21	23	27	25	21	26	27	28	29	NA	NA
Middle Distillate Demand	(000 b/d)	12	29	35	81	75	62	10	15	20	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	35	44	15	*	0	0	50	38	34	NA	NA
Total Product Demand	(000 b/d)	106	116	98	123	120	121	118	115	120	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	1,261	950	369	544	645	492	875	970	845	NA	NA
Pet Product Exports	(000 b/d)	251	141	395	471	444	471	511	600	635	NA	NA
Total Pet Exports	(000 b/d)	1,512	1,091	764	1,015	1,089	963	1,386	1,570	1,480	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	0	0	0	0	*	*	*	*	*	NA	NA
Total Pet Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(1,261)	(950)	(369)	(544)	(645)	(492)	(875)	(970)	(845)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(251)	(141)	(395)	(471)	(444)	(471)	(511)	(600)	(635)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(1,512)	(1,091)	(764)	(1,015)	(1,089)	(963)	(1,386)	(1,570)	(1,480)	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	0	0	0	0	0	0	18	97	109	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Kuwait

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	3	3	3	3	3	3	3	3	3	3	3	3	3
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3	3	3	3	3	3	3	3	3	3	3	3	3
1982													
Land	3	3	3	3	5	5	5	5	5	5	5	5	4
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3	3	3	3	5	5	5	5	5	5	5	5	4
1983													
Land	5	5	5	5	6	6	5	5	6	2	2	2	5
Offshore	0	0	0	0	0	0	0	0	0	1	1	1	0
Total	5	5	5	5	6	6	5	5	6	3	3	3	5
1984													
Land	5	4	4	4	4	4	6	5	5	5	5	5	5
Offshore	1	1	0	0	0	0	1	1	1	1	1	1	1
Total	6	5	4	4	4	4	7	6	6	6	6	6	6
1985													
Land	5	5	5	5	5	5	7	7	7	8	6	7	6
Offshore	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	6	5	5	5	5	5	7	7	7	8	6	7	6
1986													
Land	7	7	6	6	6	6	6	6	6	6	6	7	6
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7	7	6	6	6	6	6	6	6	6	6	7	6
1987													
Land	6	6	5	5	6	6	5	6	6	6	6	6	6
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6	6	5	5	6	6	5	6	6	6	6	6	6
1988													
Land	5	5	6	6	6	6	7	5	5	5	5	5	6
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	6	6	6	6	7	5	5	5	5	5	6
1989													
Land	5	5	5	5	5	2	5	3	2	5	4	2	4
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	5	5	5	2	5	3	2	5	4	2	4
1990													
Land	3	3	4	0	1	3	5	5	*	*	*	*	2
Offshore	0	0	0	0	0	0	0	0	*	*	*	*	0
Total	3	3	4	0	1	3	5	5	*	*	*	*	2

* No rig report has been received since the Iraq invasion of Kuwait.

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Kuwait

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	2,506	2,596	2,621	2,725	2,870	2,738	2,740	2,976	2,913	2,732	2,827	2,565	2,734.1
1971	3,077	2,932	2,689	3,069	3,403	2,528	3,060	2,639	2,985	2,563	3,145	3,273	2,947.0
1972	3,772	3,312	3,069	3,851	2,823	2,572	2,787	3,622	3,510	3,532	3,423	3,090	3,280.1
1973	3,765	3,338	2,751	2,697	2,825	2,855	3,281	3,010	3,480	3,058	2,615	2,556	3,019.1
1974	2,838	2,849	2,841	2,836	2,845	2,869	2,286	2,068	2,225	2,060	2,546	2,320	2,548.6
1975	2,025	2,162	2,322	2,146	1,927	2,225	2,112	1,946	2,713	1,584	1,790	1,903	2,071.3
1976	1,618	1,779	1,554	1,697	1,449	1,659	1,633	1,689	2,120	2,381	2,404	2,997	1,915.0
1977	1,293	1,760	1,730	1,787	1,300	1,450	1,400	1,612	2,094	1,678	2,154	2,403	1,721.8
1978	1,538	1,553	1,909	1,780	1,654	1,737	1,731	2,096	2,308	1,830	2,348	1,893	1,864.8
1979	2,300	2,300	2,000	2,250	2,300	2,300	2,275	2,250	2,200	2,150	2,100	1,965	2,199.2
1980	1,850	2,037	1,771	1,286	1,235	1,318	1,114	1,147	1,050	1,100	1,200	775	1,323.6
1981	1,533	1,293	1,264	800	850	900	1,030	630	675	800	775	730	940.0
1982	700	700	600	550	600	650	700	800	700	700	700	600	666.7
1983	650	800	850	700	800	700	850	950	1,150	1,100	1,050	1,050	887.5
1984	850	1,000	1,050	1,000	1,000	1,000	900	1,000	1,000	850	800	900	945.8
1985	900	1,000	850	800	800	800	800	800	800	900	1,000	900	862.5
1986	1,000	1,100	1,400	1,400	1,600	1,200	1,500	1,600	900	900	1,200	1,100	1,241.7
1987	1,000	950	900	1,000	1,000	1,100	1,400	1,400	1,400	1,100	1,100	1,100	1,120.8
1988	1,200	1,100	1,100	1,100	1,000	1,100	1,250	1,500	1,600	1,650	1,700	1,700	1,333.3
1989	1,100	1,200	1,200	1,500	1,700	1,800	1,600	1,600	1,700	1,700	2,000	2,000	1,591.7
1990	1,750	1,800	1,900	1,800	1,800	1,800	1,700	150	90	100	100	100	1,090.8

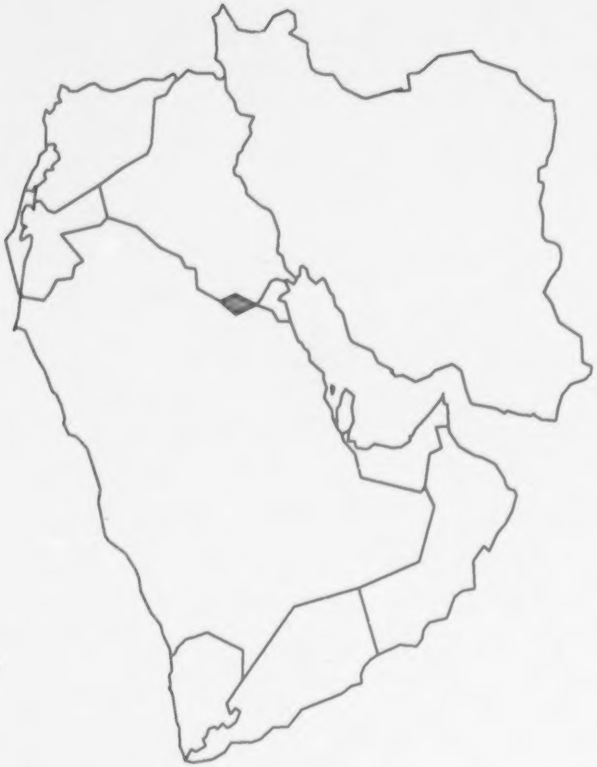
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1972	NA	NA	NA	NA	18.6	18.5	16.2	15.0	14.0	14.1	16.0	16.0	128.4
1973	14.1	5.4	6.0	5.0	6.1	5.0	4.3	0.4	0.2	0.2	0.1	0.2	47.0
1974	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	1.6
1975	7.0	15.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	14.6	14.6	175.2
1976	14.6	15.6	15.6	15.6	15.6	15.6	15.1	15.6	15.6	15.6	15.6	15.6	185.7
1977	14.6	15.4	19.0	19.0	17.7	14.6	14.6	14.6	14.3	14.3	14.0	14.0	186.1
1978	14.0	12.6	18.8	15.2	15.2	15.2	15.2	15.2	16.0	17.3	16.0	17.3	188.0
1979	17.3	15.2	17.3	18.2	18.3	18.2	18.3	18.3	16.9	16.9	15.6	15.0	205.5
1980	16.9	16.9	16.9	16.9	16.9	17.6	16.9	20.0	38.3	38.0	38.0	38.0	291.3
1981	27.9	28.0	28.0	28.0	26.0	26.0	26.0	30.0	30.0	30.0	30.0	30.0	339.9
1982	30.0	20.0	20.0	20.0	20.0	17.4	17.4	17.4	17.4	17.4	11.2	11.2	219.4
1983	12.1	13.3	12.1	11.7	12.1	11.7	12.1	12.1	11.7	12.1	11.7	12.0	144.7
1984	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	144.0
1985	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	144.0
1986	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	11.7	11.7	144.4
1987	9.4	8.5	12.1	13.4	13.4	14.8	16.1	16.1	16.1	16.6	12.8	12.8	162.1
1988	13.9	12.8	12.8	12.8	11.6	12.8	14.5	15.6	16.6	17.1	17.6	16.5	174.6
1989	13.6	13.4	13.6	17.0	21.0	19.1	19.1	19.1	19.6	20.3	23.1	23.9	222.8
1990	20.9	19.4	21.5	19.7	20.4	19.7	20.4	1.8	1.0	1.0	1.0	1.0	147.8

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Neutral Zone
(disputed land between Saudi Arabia and Kuwait,
production shared equally by both countries)

Location: Middle East



Neutral Zone

Exploration, Drilling & Production		**1980**	**1981**	**1982**	**1983**	**1984**	**1985**	**1986**	**1987**	**1988**	**1989**	**1990**
Well Completions	(Total)	4	5	6	NA	NA	NA	NA	NA	NA	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	6,260	6,060	6,500	5,840	5,695	5,420	5,380	5,212	5,210	5,210	5,200
Nat. Gas Reserves, Beginning of Year	(bcf)	5,000	4,800	8,300	8,380	8,307	8,290	8,210	12,400	12,300	12,300	12,000
Crude Oil Production +	(000 b/d)	520	372	305	391	426	353	338	387	313	397	310
Nat. Gas Production +	(bcf)	NA	NA	NA	0	0	0	0	0	0	0	0

+ Production shared equally by Kuwait and Saudi Arabia.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Oil & Gas Journal

Neutral Zone

Crude Oil Production
Thousand Barrels per Day

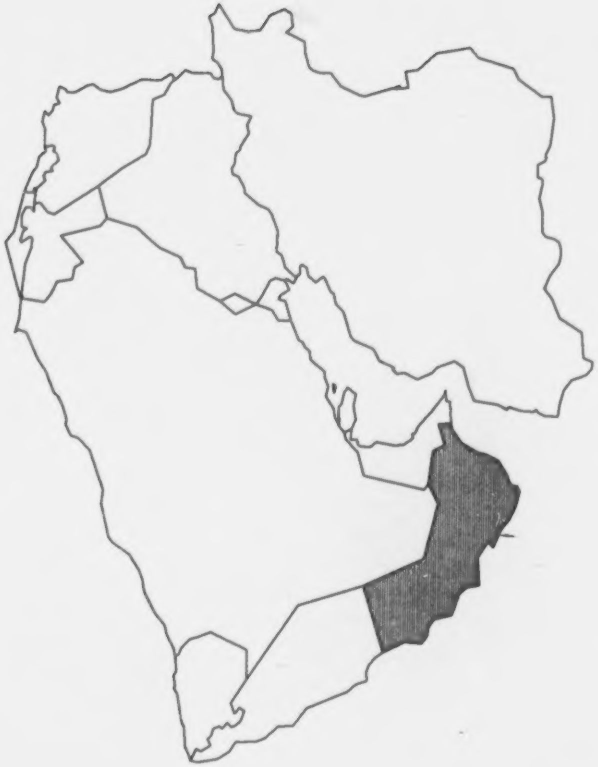
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	454	451	422	471	543	529	463	481	557	557	545	506	498.3
1971	620	618	596	461	576	568	534	524	524	491	477	512	541.8
1972	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1973	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1974	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1975	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409	34.1
1976	387	461	415	394	400	403	447	426	518	548	584	669	471.0
1977	273	342	331	427	329	380	373	362	375	364	305	525	365.5
1978	317	310	410	405	317	376	442	509	565	616	604	612	456.9
1979	598	598	571	586	566	560	569	545	558	460	592	594	566.4
1980	584	567	580	542	553	546	534	521	479	512	531	287	519.7
1981	528	530	518	394	282	355	341	258	311	374	287	289	372.3
1982	305	278	302	255	245	250	333	238	370	320	410	350	304.7
1983	284	218	227	385	465	446	468	464	453	420	432	432	391.2
1984	459	480	487	500	400	400	420	440	380	380	380	380	425.5
1985	460	480	500	400	330	280	280	300	300	300	300	300	352.5
1986	300	200	200	200	300	300	400	460	430	460	400	400	337.5
1987	490	420	310	350	280	360	480	475	475	350	350	305	387.1
1988	260	200	215	430	410	380	280	340	320	320	300	300	312.9
1989	385	420	370	400	400	390	400	400	400	400	400	400	397.1
1990	400	400	375	340	310	330	330	260	240	160	310	260	309.6

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Notes

Oman

Size (Square Miles): 82,030
Location: Middle East



Oman

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	623	640	658	680	705	733	766	803	844	889	936
GNP (Mill US Dollars)	183	211	250	294	305	1,190	1,684	2,104	2,333	2,388	3,292
GNP per Capita (US Dollars)	310	360	370	400	390	560	1,280	2,840	2,860	2,790	3,080

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	984	1,033	1,083	1,135	1,187	1,242	1,299	1,359	1,421	1,486
GNP (Mill US Dollars)	5,267	6,484	6,808	6,943	7,705	8,734	6,473	7,380	7,263	7,725
GNP per Capita (US Dollars)	3,660	5,830	7,110	7,220	7,280	7,550	6,660	5,810	4,980	5,220

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Oman

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Natural Gas	Other	Primary Energy
1980	0.01	0.04	0.05
1981	0.08	0.03	0.11
1982	0.10	0.04	0.14
1983	0.12	0.04	0.16
1984	0.05	0.05	0.10
1985	0.06	0.06	0.12
1986	0.07	0.06	0.13
1987	0.08	0.06	0.14
1988	0.09	0.05	0.14
1989	0.09	0.06	0.15

Petroleum Production

1973	0.00
1974	0.00
1975	0.74
1976	0.79
1977	0.73
1978	0.68
1979	0.63
1980	0.61
1981	0.68
1982	0.69
1983	0.80
1984	0.90
1985	1.08
1986	1.21
1987	1.26
1988	1.34
1989	1.39

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Oman

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	8	10	12	11	12	13	13	10	9	13	17
Well Completions	(Total)	89	110	159	NA	46	NA	210	36	NA	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	2,400	2,340	2,570	2,730	2,790	3,500	4,000	4,032	4,012	4,071	4,250
Nat. Gas Reserves, Beginning of Year	(bcf)	2,000	2,500	2,700	2,690	2,810	7,377	6,000	7,500	9,500	9,320	163,100
Crude Oil Production	(000 b/d)	286	319	322	376	410	482	542	556	605	620	664
Nat. Gas Production	(bcf)	12	12	49	86	142	80	48	62	73	80	88
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	NA	NA	NA	46	48	48	48	48	77	77	77
Exports & Imports												
Crude Oil Exports	(000 b/d)	279	329	320	374	369	452	509	540	570	NA	NA
Pet Product Exports	(000 b/d)	0	0	0	0	0	12	5	*	25	NA	NA
Total Pet Exports	(000 b/d)	279	329	320	374	369	464	514	540	595	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	8	8	16	17	0	3	3	3	1	NA	NA
Total Pet Imports	(000 b/d)	8	8	16	17	0	3	3	3	1	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(279)	(329)	(320)	(374)	(369)	(452)	(509)	(540)	(570)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	8	8	16	17	0	(9)	(2)	3	(24)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(271)	(321)	(304)	(357)	(369)	(461)	(511)	(537)	(594)	NA	NA
Natural Gas Exports	(bcf)	NA	NA	NA	NA	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	NA	NA	NA	NA	0	0	0	0	0	NA	NA

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Oman

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	8	9	9	9	9	9	10	10	10	11	11	11	10
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	8	9	9	9	9	9	10	10	10	11	11	11	10
1982													
Land	11	11	11	11	12	12	12	10	10	10	10	10	11
Offshore	0	0	0	0	1	0	2	2	2	2	2	2	1
Total	11	11	11	11	13	12	14	12	12	12	12	12	12
1983													
Land	10	10	10	10	10	10	8	8	13	12	12	11	10
Offshore	2	2	0	0	0	0	0	0	0	0	0	0	0
Total	12	12	10	10	10	10	8	8	13	12	12	11	10
1984													
Land	9	10	9	13	13	13	11	11	11	11	11	14	11
Offshore	0	0	1	1	1	1	0	0	0	0	0	0	0
Total	9	10	10	14	14	14	11	11	11	11	11	14	11
1985													
Land	14	16	13	13	12	11	12	12	12	12	12	14	13
Offshore	0	0	0	0	0	0	0	0	0	0	0	1	0
Total	14	16	13	13	12	11	12	12	12	12	12	15	13
1986													
Land	13	13	14	12	13	13	14	14	13	11	11	11	13
Offshore	1	1	1	1	1	1	1	1	1	0	0	0	1
Total	14	14	15	13	14	14	15	15	14	11	11	11	14
1987													
Land	11	11	10	10	10	10	9	9	9	9	10	10	10
Offshore	0	0	1	1	1	1	0	0	0	0	0	0	0
Total	11	11	11	11	11	11	9	9	9	9	10	10	10
1988													
Land	10	11	10	11	9	8	7	7	9	9	10	10	9
Offshore	0	0	0	0	0	0	0	0	0	0	0	1	0
Total	10	11	10	11	9	8	7	7	9	9	10	11	9
1989													
Land	12	9	10	10	9	9	11	16	15	17	16	20	13
Offshore	1	1	0	0	0	0	0	0	0	0	0	0	0
Total	13	10	10	10	9	9	11	16	15	17	16	20	13
1990													
Land	20	19	17	18	18	19	17	18	17	15	15	14	17
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	20	19	17	18	18	19	17	18	17	15	15	14	17

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oman

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	359	361	360	351	321	321	317	317	320	322	324	325	333.2
1971	310	311	311	274	274	303	281	279	282	280	284	282	289.2
1972	280	282	282	285	282	260	295	286	282	283	282	281	281.7
1973	280	281	283	290	288	286	298	298	302	304	300	302	292.7
1974	299	295	292	296	303	296	288	289	285	280	281	282	290.5
1975	290	309	309	321	325	329	342	346	371	384	386	386	341.5
1976	386	379	362	363	362	356	356	362	364	364	368	365	365.6
1977	369	362	365	345	347	334	333	329	326	333	325	321	340.8
1978	323	327	326	319	307	311	312	309	309	313	310	310	314.7
1979	299	299	300	305	307	297	294	291	285	287	288	285	294.8
1980	283	276	278	280	283	288	281	286	274	287	288	325	285.8
1981	311	343	310	319	310	313	315	315	321	324	325	325	319.3
1982	336	314	315	314	326	326	321	319	327	330	330	300	321.5
1983	359	365	347	357	363	375	386	385	394	395	385	396	375.6
1984	397	403	409	409	415	407	400	400	400	420	432	430	410.2
1985	430	430	480	480	480	480	503	503	500	500	500	500	482.2
1986	500	500	520	530	550	550	550	560	550	550	570	570	541.7
1987	550	520	520	530	530	530	600	600	600	565	565	565	556.3
1988	600	570	570	570	600	600	600	630	630	630	630	630	605.0
1989	630	630	630	600	600	600	630	620	620	620	630	630	620.0
1990	640	640	640	650	650	650	650	675	675	700	700	700	664.2

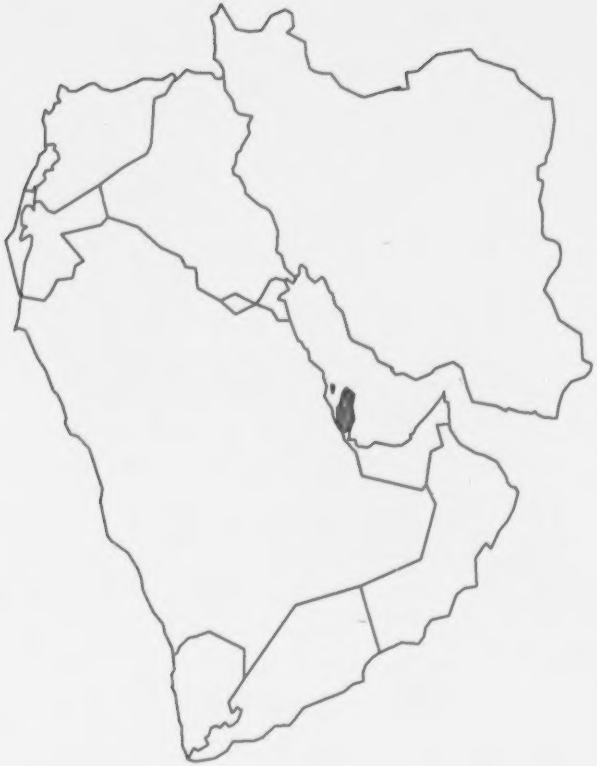
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1977	10.2	10.2	11.1	11.0	11.0	9.7	10.6	11.0	11.0	10.9	11.4	11.4	129.5
1978	12.0	12.1	12.0	11.0	10.8	9.0	8.6	8.0	7.4	6.4	4.9	5.0	107.2
1979	5.0	4.0	4.0	4.0	4.0	3.0	2.8	2.8	1.9	1.8	1.6	1.0	35.9
1980	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
1981	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
1982	1.0	1.0	1.0	1.0	1.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	49.1
1983	7.3	7.2	7.3	7.1	7.3	7.1	7.3	7.3	7.1	7.3	7.1	7.0	86.4
1984	7.0	10.2	11.2	10.8	13.1	13.2	13.2	13.2	13.2	13.2	11.7	12.0	142.0
1985	12.0	12.0	12.0	12.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	80.0
1986	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.6	4.6	48.2
1987	4.6	3.9	4.6	4.5	4.7	4.5	4.7	4.7	6.4	6.6	6.5	6.7	62.4
1988	6.5	6.1	6.1	6.1	6.4	6.1	6.1	6.1	6.1	5.8	5.8	6.0	73.2
1989	6.0	5.4	6.0	5.8	6.0	7.2	7.4	7.4	7.2	7.4	7.2	7.4	80.4
1990	7.4	6.7	7.4	7.2	7.4	7.2	7.4	7.4	7.2	7.7	7.5	7.7	88.2

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Qatar

Size (Square Miles): 4,416
Location: Middle East



Qatar

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	100	110	120	130	150	160	170	180	190	200	210
GNP (Mill US Dollars)	191	276	390	495	654	2,401	2,513	3,284	3,618	4,052	5,634
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Population (Thousands)	230	240	260	270	280	300	310	330	330	330
GNP (Mill US Dollars)	7,829	8.661	7.597	6,485	6,870	6,153	5,017	5,104	5,717	5,889
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	17,846

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

Qatar

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Natural Gas	Other	Primary Energy
1980	0.19	0.02	0.21
1981	0.16	0.04	0.20
1982	0.19	0.05	0.24
1983	0.18	0.03	0.21
1984	0.22	0.03	0.25
1985	0.20	0.05	0.25
1986	0.20	0.06	0.26
1987	0.21	0.06	0.27
1988	0.24	0.04	0.28
1989	0.25	0.05	0.30

Production

	Petroleum	Natural Gas	Primary Energy
1973	1.19	NA	NA
1974	1.10	NA	NA
1975	0.94	0.08	1.02
1976	1.06	0.05	1.11
1977	0.94	0.06	1.00
1978	1.03	0.05	1.08
1979	1.08	0.16	1.24
1980	1.00	0.19	1.20
1981	0.88	0.16	1.05
1982	0.74	0.19	0.93
1983	0.65	0.18	0.84
1984	0.87	0.22	1.09
1985	0.67	0.20	0.88
1986	0.68	0.20	0.88
1987	0.65	0.21	0.86
1988	0.77	0.24	1.01
1989	0.88	0.25	1.13

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Qatar

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	8	7	5	3	2	3	1	1	3	3	2
Well Completions	(Total)	53	51	52	NA	8	NA	NA	NA	NA	11	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	3,760	3,585	3,434	3,425	3,330	3,350	3,300	3,154	3,150	3,150	4,500
Nat. Gas Reserves, Beginning of Year	(bcf)	60,000	60,000	60,000	62,000	62,000	150,000	148,000	152,000	156,700	156,700	2,000
Crude Oil Production	(000 b/d)	460	406	331	294	397	299	332	280	346	389	383
Nat. Gas Production	(bcf)	38	205	169	87	98	200	206	166	204	256	265
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	11	13	13	12	63	56	56	62	62	62	62
Ethylene Capacity	(000 Tons/Yr)	NA	280	280	280	280	280	280	280	280	300	300
Exports & Imports												
Crude Oil Exports	(000 b/d)	466	391	322	279	393	289	280	254	304	NA	NA
Pet Product Exports	(000 b/d)	0	15	12	15	1	26	33	44	48	NA	NA
Total Pet Exports	(000 b/d)	466	406	334	294	394	315	313	298	352	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	5	2	3	3	1	1	12	12	*	NA	NA
Total Pet Imports	(000 b/d)	5	2	3	3	1	1	12	12	0	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(466)	(391)	(322)	(279)	(393)	(289)	(280)	(254)	(304)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	5	(13)	(9)	(12)	0	(25)	(21)	(32)	(48)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(461)	(404)	(331)	(291)	(393)	(314)	(301)	(286)	(352)	NA	NA
Natural Gas Exports	(bcf)	NA	NA	NA	NA	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	NA	NA	NA	NA	0	0	0	0	0	NA	NA

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Qatar

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	4	4	4	4	4	4	3	3	3	3	3	3	4
Offshore	4	4	4	4	4	4	4	4	4	3	3	3	4
Total	8	8	8	8	8	8	7	7	7	6	6	6	8
1982													
Land	3	3	3	3	3	3	3	3	3	3	2	2	3
Offshore	3	3	3	3	3	3	3	2	2	2	1	1	2
Total	6	6	6	6	6	6	6	5	5	5	3	3	5
1983													
Land	2	2	0	0	2	2	2	2	1	1	1	1	1
Offshore	2	2	2	3	3	3	2	2	2	1	1	1	2
Total	4	4	2	3	5	5	4	4	3	2	2	2	3
1984													
Land	1	1	1	1	1	1	1	1	1	1	1	2	1
Offshore	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	2	2	2	2	2	2	2	2	2	2	2	3	2
1985													
Land	2	2	2	2	2	1	1	1	1	2	2	1	2
Offshore	1	2	2	2	2	1	1	1	1	2	2	1	2
Total	3	4	4	4	4	2	2	2	2	4	4	2	4
1986													
Land	1	1	1	0	0	0	0	0	0	0	0	0	0
Offshore	1	1	1	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	0	0	0	0	0	0	0	0	0	0
1987													
Land	0	2	2	2	1	1	0	1	1	0	1	1	1
Offshore	0	0	0	1	1	0	0	0	0	0	0	0	0
Total	0	2	2	3	2	1	0	1	1	0	1	1	1
1988													
Land	2	2	2	2	2	2	3	3	0	1	1	1	2
Offshore	0	0	0	1	1	1	1	1	1	1	3	3	1
Total	2	2	2	3	3	3	4	4	1	2	4	4	3
1989													
Land	1	1	1	1	1	1	1	1	1	1	2	0	1
Offshore	3	3	3	3	2	2	2	1	2	2	2	3	2
Total	4	4	4	4	3	3	3	2	3	3	4	3	3
1990													
Land	1	1	2	2	2	2	1	1	0	0	1	1	1
Offshore	2	2	0	0	0	0	0	0	0	0	1	1	1
Total	3	3	2	2	2	2	1	1	0	0	2	2	2

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Qatar

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	334	373	362	367	396	347	324	329	354	399	389	432	367.2
1971	436	406	359	424	460	427	466	426	425	448	421	449	428.9
1972	452	444	451	416	413	435	478	523	468	544	584	575	481.9
1973	581	613	604	591	586	560	605	568	608	598	505	460	573.3
1974	518	517	518	519	519	520	520	516	515	525	519	519	518.8
1975	514	473	429	516	471	330	262	412	280	394	606	610	441.4
1976	486	472	497	486	496	494	491	517	456	464	479	499	486.4
1977	455	402	490	426	385	410	393	506	328	524	480	470	439.1
1978	452	479	425	511	378	452	482	543	513	506	473	583	483.1
1979	554	554	368	542	542	456	519	533	453	488	526	542	506.4
1980	502	457	498	498	477	441	460	468	461	440	475	340	459.8
1981	507	482	507	513	436	342	378	295	363	363	340	342	405.7
1982	403	375	310	232	322	408	275	341	287	381	310	328	331.0
1983	253	202	171	262	277	298	298	265	309	318	460	420	294.4
1984	440	340	439	400	400	500	430	380	480	380	300	280	397.4
1985	280	280	315	300	290	300	300	300	300	320	300	300	298.8
1986	400	300	300	200	400	400	400	400	300	280	300	300	331.7
1987	289	119	180	125	300	350	400	400	300	300	300	300	280.3
1988	340	410	290	240	370	380	355	365	350	350	300	400	345.8
1989	430	420	343	330	409	400	370	420	410	400	340	390	388.5
1990	370	370	370	370	380	320	370	430	430	430	390	370	383.3

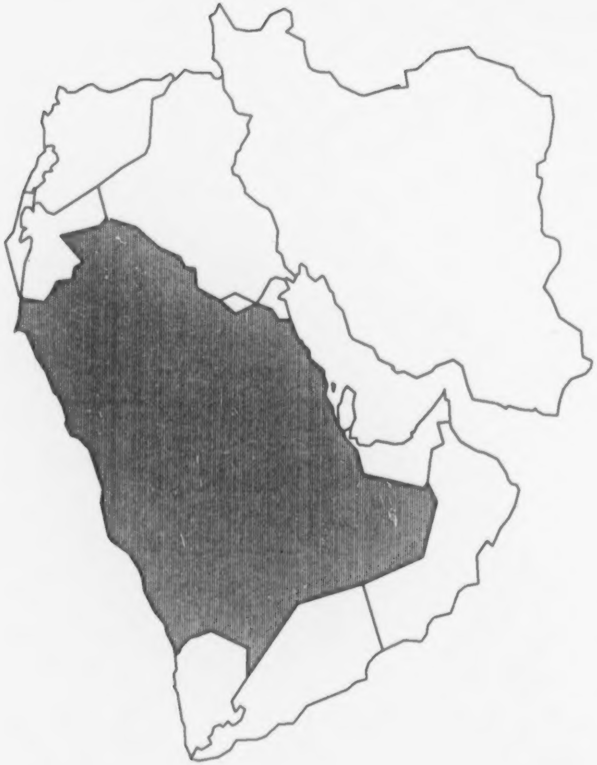
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.8
1972	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.8
1973	0.2	1.3	1.2	1.0	1.1	1.0	1.1	0.1	0.1	0.0	0.1	0.1	7.3
1974	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	1.7
1975	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.9	1.0	1.2	1.0	5.3
1976	1.1	1.2	1.2	1.2	1.2	8.7	6.7	6.0	6.2	4.9	6.0	6.0	50.4
1977	5.8	5.8	6.0	4.9	5.0	6.9	5.4	6.0	6.2	6.4	6.0	6.1	70.5
1978	5.6	5.0	4.8	4.0	4.0	4.1	4.0	3.4	3.0	3.0	2.8	3.0	46.7
1979	3.0	2.8	2.8	2.4	2.0	2.0	2.1	2.1	1.9	2.0	1.8	2.0	26.9
1980	2.0	1.8	1.0	1.0	1.0	4.7	4.7	5.0	5.0	4.0	4.0	4.0	38.2
1981	13.0	13.0	13.0	13.0	19.0	19.0	19.0	20.0	20.0	19.0	19.0	18.0	205.0
1982	16.0	16.0	16.0	16.0	16.0	13.5	13.5	13.5	13.5	13.5	10.7	10.7	168.9
1983	7.4	6.9	7.4	7.2	7.4	7.2	7.4	7.4	7.2	7.4	7.2	7.0	87.1
1984	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	13.0	15.0	98.0
1985	15.0	15.0	15.0	15.0	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	200.0
1986	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	16.9	17.5	15.9	15.9	206.2
1987	9.8	2.3	9.6	6.7	16.0	18.6	21.3	22.4	14.6	15.1	14.6	14.6	165.6
1988	16.5	19.4	14.1	14.6	17.5	18.2	17.0	17.5	16.8	16.8	17.6	18.2	204.2
1989	19.6	19.1	18.0	17.3	22.2	22.0	22.7	24.2	22.8	22.2	21.5	24.7	256.3
1990	23.4	20.0	22.1	21.4	22.1	18.0	21.5	25.0	24.2	25.0	21.9	20.5	265.1

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Saudi Arabia

Size (Square Miles): 864,869
Location: Middle East



Saudi Arabia

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	5,517	5,745	5,997	6,276	6,579	6,905	7,251	7,617	7,999	8,409	8,863
GNP (Mill US Dollars)	2,838	3,033	4,751	6,754	9,089	26,749	39,375	46,212	58,165	66,082	77,119
GNP per Capita (US Dollars)	530	560	760	980	1,140	2,070	3,290	5,410	7,120	7,720	8,790
Consumer Price Index (1987=100)	33.8	33.9	35.4	36.9	43.0	52.3	70.4	92.6	103.1	101.5	103.4

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	9,372	9,925	10,514	11,130	11,762	12,395	12,991	13,612	14,016	14,435
GNP (Mill US Dollars)	116,384	155,379	141,399	122,342	110,170	97,392	83,897	83,535	80,610	85,957
GNP per Capita (US Dollars)	10,400	13,010	14,310	12,820	10,140	8,630	7,830	6,650	6,060	6,020
Consumer Price Index (1987=100)	107.3	110.1	109.5	108.9	107.6	104.1	101.0	100.0	101.1	102.2

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Saudi Arabia

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Primary Energy
1980	1.31	0.54	1.85
1981	1.43	0.48	1.92
1982	1.52	0.21	1.73
1983	1.69	0.21	1.89
1984	1.82	0.26	2.08
1985	1.87	0.75	2.62
1986	1.88	0.93	2.81
1987	1.87	0.99	2.86
1988	1.91	1.08	2.98
1989	2.00	1.12	3.11

Production

	Petroleum	Natural Gas	Primary Energy
1973	16.46	0.17	16.63
1974	18.45	0.12	18.57
1975	15.44	0.21	15.65
1976	18.63	0.25	18.88
1977	20.22	0.30	20.51
1978	18.10	0.35	18.45
1979	20.80	0.43	21.24
1980	22.09	0.39	22.48
1981	21.84	0.72	22.57
1982	14.65	0.21	14.86
1983	11.48	0.20	11.69
1984	10.64	0.65	11.29
1985	7.80	0.75	8.55
1986	10.98	0.93	11.91
1987	9.74	0.99	10.73
1988	11.65	1.08	12.73
1989	11.58	1.11	12.69

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Saudi Arabia

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	25	29	29	26	16	11	6	5	4	5	10
Well Completions	(Total)	223	229	25	NA	NA	NA	33	NA	NA	47	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	163,350	165,000	164,600	162,400	166,000	169,000	168,800	166,574	166,980	169,970	254,959
Nat. Gas Reserves, Beginning of Year	(bcf)	93,230	110,000	114,000	117,000	121,000	123,270	121,000	123,990	139,900	145,848	11,000
Crude Oil Production	(000 b/d)	9,504	9,642	6,375	4,850	4,467	3,283	4,833	4,025	4,942	4,992	6,300
Nat. Gas Production	(bcf)	310	435	493	384	386	232	329	803	899	1,080	1,314
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	487	487	487	705	860	840	1,115	1,125	1,375	1,375	1,484
Ethylene Capacity	(000 Tons/Yr)	NA	NA	NA	NA	0	1,611	1,611	1,611	1,611	1,611	1,970
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	87	102	113	98	100	160	152	155	156	NA	NA
Middle Distillate Demand	(000 b/d)	90	38	239	222	215	230	269	258	255	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	242	253	132	240	250	290	244	225	243	NA	NA
Total Product Demand	(000 b/d)	500	486	606	750	750	880	885	885	900	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	9,276	9,300	5,805	4,050	3,800	2,535	3,700	2,925	3,490	NA	NA
Pet Product Exports	(000 b/d)	538	510	539	495	487	327	732	865	1,135	NA	NA
Total Pet Exports	(000 b/d)	9,814	9,810	6,344	4,545	4,287	2,862	4,432	3,790	4,625	NA	NA
Crude Oil Imports	(000 b/d)	0	0	10	8	0	8	9	8	7	NA	NA
Pet Product Imports	(000 b/d)	33	38	35	35	35	36	12	2	3	NA	NA
Total Pet Imports	(000 b/d)	33	38	45	43	35	44	21	10	10	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(9,276)	(9,300)	(5,795)	(4,042)	(3,800)	(2,527)	(3,691)	(2,917)	(3,483)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(505)	(472)	(504)	(460)	(452)	(291)	(720)	(863)	(1,132)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(9,781)	(9,772)	(6,299)	(4,502)	(4,252)	(2,818)	(4,411)	(3,780)	(4,615)	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	0	0	0	0	0	-0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Saudi Arabia

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	16	17	17	17	16	16	16	16	16	16	16	16	16
Offshore	7	12	12	12	15	15	15	15	13	13	13	13	13
Total	23	29	29	29	31	31	31	31	29	29	29	29	29
1982													
Land	16	16	14	14	13	17	16	16	17	17	16	16	16
Offshore	13	13	17	17	19	15	10	11	12	12	12	12	14
Total	29	29	31	31	32	32	26	27	29	29	28	28	30
1983													
Land	16	16	13	14	14	14	15	15	12	12	12	12	14
Offshore	12	12	12	7	11	11	14	14	13	13	11	11	12
Total	28	28	25	21	25	25	29	29	25	25	23	23	26
1984													
Land	8	10	9	11	11	11	9	9	9	9	9	7	9
Offshore	11	8	7	7	7	7	5	5	5	5	5	5	6
Total	19	18	16	18	18	18	14	14	14	14	14	12	15
1985													
Land	7	8	8	8	8	8	6	6	6	5	5	4	7
Offshore	5	5	5	5	5	5	4	4	4	5	5	4	5
Total	12	13	13	13	13	13	10	10	10	10	10	8	12
1986													
Land	4	4	5	5	5	5	5	5	5	5	5	6	5
Offshore	4	4	2	0	0	0	0	0	0	1	1	1	1
Total	8	8	7	5	5	5	5	5	5	6	6	7	6
1987													
Land	6	6	5	5	4	4	3	3	3	3	3	3	4
Offshore	1	1	1	1	1	1	1	2	2	2	1	1	1
Total	7	7	6	6	5	5	4	5	5	5	4	4	5
1988													
Land	3	3	3	3	3	3	4	4	4	4	4	4	4
Offshore	1	1	1	1	1	1	1	0	1	1	1	1	1
Total	4	4	4	4	4	4	5	4	5	5	5	5	5
1989													
Land	4	4	4	4	4	4	4	5	5	4	4	5	4
Offshore	1	2	2	2	1	2	1	1	0	0	0	0	1
Total	5	6	6	6	5	6	5	6	5	4	4	5	5
1990													
Land	5	7	7	7	9	8	10	9	8	9	9	9	8
Offshore	0	0	0	1	2	2	2	1	3	2	2	2	1
Total	5	7	7	8	11	10	12	10	11	11	11	11	9

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Saudi Arabia

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	3,244	3,552	3,416	3,637	3,196	3,351	3,367	3,554	3,641	3,795	3,846	3,996	3,549.7
1971	3,996	4,134	4,326	4,643	4,541	4,454	4,861	4,449	4,476	4,651	4,594	5,071	4,516.4
1972	5,621	5,557	5,665	5,998	5,668	5,568	5,404	6,296	6,411	6,570	6,696	6,699	6,012.7
1973	6,878	7,196	7,483	7,361	8,318	7,555	8,684	8,425	8,534	7,798	6,269	6,616	7,593.0
1974	7,522	7,795	8,135	8,653	9,017	8,870	8,778	8,276	8,780	9,052	8,818	8,043	8,478.3
1975	7,849	6,749	6,552	5,917	6,989	6,814	6,979	8,216	8,406	5,866	6,945	7,376	7,054.8
1976	7,271	7,739	8,161	8,073	8,250	8,325	8,750	8,528	8,071	8,968	9,103	8,856	8,341.3
1977	8,400	9,400	9,650	9,950	8,300	9,400	9,600	8,500	8,500	8,500	8,750	9,350	9,025.0
1978	7,600	8,200	7,500	7,800	7,100	7,300	7,200	6,900	8,100	9,000	9,950	10,100	8,062.5
1979	9,500	9,500	9,500	8,500	8,500	8,500	9,500	9,500	9,500	9,500	9,500	9,500	9,250.0
1980	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,920	10,130	8,500	9,504.2
1981	10,000	10,000	9,800	10,000	10,000	10,000	10,100	10,200	9,100	9,500	8,500	8,500	9,641.7
1982	8,500	8,200	7,200	6,500	5,900	6,500	6,200	5,900	5,500	5,500	5,500	5,100	6,375.0
1983	4,500	3,800	3,400	3,800	4,500	4,800	5,300	5,500	5,700	5,600	5,600	5,700	4,850.0
1984	5,200	4,800	4,700	4,900	4,900	5,200	4,500	4,200	3,800	4,000	3,900	3,500	4,466.7
1985	3,400	3,900	3,800	3,400	2,600	2,300	2,600	2,200	2,900	3,700	4,100	4,500	3,283.3
1986	4,200	4,400	4,100	4,500	4,300	5,300	5,800	6,100	4,500	4,700	5,000	5,100	4,833.3
1987	3,800	3,800	3,100	3,800	4,000	4,100	4,300	4,500	4,300	4,300	4,000	4,300	4,025.0
1988	4,000	4,300	4,300	4,300	4,300	4,300	4,600	5,000	5,100	6,000	6,500	6,600	4,941.7
1989	4,800	4,500	4,600	4,900	4,900	4,800	4,900	4,900	5,100	5,400	5,500	5,600	4,991.7
1990	5,500	5,500	5,700	5,700	5,200	5,400	5,400	5,600	7,500	7,600	8,200	8,300	6,300.0

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1977	9.3	9.7	9.7	9.7	9.0	13.3	11.9	10.8	9.0	9.0	9.8	9.8	121.0
1978	9.0	9.0	9.0	8.2	8.6	8.0	8.9	9.0	8.6	8.0	7.9	8.0	102.2
1979	8.9	7.6	7.6	7.0	7.0	20.1	25.9	25.9	25.9	25.9	23.8	23.0	208.6
1980	25.8	25.9	25.0	25.9	25.9	17.7	26.0	25.0	29.0	28.0	28.0	28.0	310.2
1981	37.0	37.0	37.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	435.0
1982	36.0	36.0	36.0	36.0	36.0	42.9	42.9	42.9	42.9	42.9	49.3	49.3	493.1
1983	32.3	30.2	32.3	31.3	32.3	31.3	32.3	32.3	31.3	32.3	31.3	35.0	384.2
1984	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	20.0	16.0	386.0
1985	16.0	16.0	16.0	16.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	232.0
1986	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.3	21.0	59.7	59.7	328.7
1987	44.5	64.5	56.4	69.2	72.8	74.6	78.3	81.0	65.9	68.1	61.3	65.9	802.5
1988	61.3	65.9	65.9	65.9	65.9	65.9	70.5	78.9	80.5	87.5	94.8	96.3	899.3
1989	83.2	78.0	83.3	88.9	91.9	90.0	91.1	91.1	91.8	97.2	95.8	97.5	1,079.8
1990	95.8	86.5	99.3	96.1	101.2	101.7	105.1	109.0	121.3	127.0	132.6	138.7	1,314.3

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Saudi Arabia

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	0.25	NA	NA	NA	NA	NA
1982	NA	NA	NA	NA	NA	NA
1983	0.24	0.08	0.15	0.30	NA	2.02
1984	0.23	0.08	0.15	0.34	NA	NA
1985	0.37	0.11	0.17	0.21	NA	6.66
1986	NA	NA	NA	NA	NA	NA
1987	0.35	0.12	0.20	0.37	36.02	NA
1988	0.54	0.12	0.21	0.36	38.13	47.67
1989	0.54	0.12	0.20	0.36	36.04	42.40
1990	0.54	0.12	0.20	0.49	36.00	55.10

+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Syria

Size (Square Miles): 71,498
Location: Middle East

Syria

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	6,052	6,258	6,479	6,708	6,945	7,188	7,438	7,695	7,957	8,228	8,508
GNP (Mill US Dollars)	2,235	2,151	2,602	3,073	3,276	5,225	6,834	7,623	7,715	9,330	9,964
GNP per Capita (US Dollars)	370	350	390	460	460	650	890	1,020	1,010	1,120	1,200
Consumer Price Index (1987=100)	8.8	9.2	9.7	9.9	11.9	13.8	15.4	17.1	19.2	20.1	21.0

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	8,800	9,104	9,421	9,751	10,097	10,458	10,836	11,232	11,647	12,082
GNP (Mill US Dollars)	13,056	15,569	16,214	17,558	17,495	16,886	14,152	12,320	9,965	NA
GNP per Capita (US Dollars)	1,410	1,660	1,770	1,800	1,720	1,720	1,520	1,220	1,100	NA
Consumer Price Index (1987=100)	25.1	29.7	33.9	36.0	39.3	46.1	62.7	100.0	134.6	149.9

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Syria

Energy Consumption and Production by Source
Quadrillion BTU

Petroleum Consumption

1980	0.23
1981	0.25
1982	0.26
1983	0.30
1984	0.33
1985	0.35
1986	0.34
1987	0.38
1988	0.41
1989	0.42

Production

	Petroleum	Natural Gas	Hydroelectric Power	Primary Energy
1973	0.23	NA	NA	NA
1974	0.28	NA	NA	NA
1975	0.38	0.01	0.01	0.40
1976	0.39	0.01	0.01	0.41
1977	0.42	0.02	0.02	0.46
1978	0.38	0.02	0.02	0.42
1979	0.37	0.02	0.02	0.41
1980	0.37	0.03	0.03	0.43
1981	0.37	0.03	0.03	0.43
1982	0.36	0.03	0.03	0.42
1983	0.38	0.02	0.02	0.42
1984	0.38	0.02	0.02	0.42
1985	0.40	0.02	0.02	0.44
1986	0.75	0.02	0.02	0.79
1987	0.76	0.02	0.02	0.80
1988	0.82	0.02	0.02	0.86
1989	0.97	0.02	0.02	1.01

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Syria

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	15	16	15	15	23	26	27	22	24	24	17
Well Completions	(Total)	NA	NA	NA	NA	12	NA	35	10	NA	50	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	2,000	1,940	1,890	1,521	1,490	1,450	1,440	1,400	1,750	1,730	1,730
Nat. Gas Reserves, Beginning of Year	(bcf)	1,500	1,500	3,200	1,260	1,290	1,280	1,240	4,200	1,500	13,130	5,500
Crude Oil Production	(000 b/d)	165	167	160	166	170	178	194	232	256	324	393
Nat. Gas Production	(bcf)	17	13	9	8	8	6	5	9	23	25	26
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	223	223	223	229	229	229	229	229	229	244	244
Ethylene Capacity	(000 Tons/Yr)	NA	NA	NA	NA	NA	NA	0	0	250	250	250
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	23	13	13	14	23	21	19	20	22	NA	NA
Middle Distillate Demand	(000 b/d)	61	48	52	53	66	76	60	64	64	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	36	26	30	47	42	45	45	57	57	NA	NA
Total Product Demand	(000 b/d)	138	120	121	139	154	193	163	180	192	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	133	125	101	116	98	100	80	80	85	NA	NA
Pet Product Exports	(000 b/d)	13	42	46	52	47	43	60	42	49	NA	NA
Total Pet Exports	(000 b/d)	146	167	147	168	145	143	140	122	134	NA	NA
Crude Oil Imports	(000 b/d)	83	103	104	126	126	120	100	56	40	NA	NA
Pet Product Imports	(000 b/d)	39	16	24	18	17	9	20	16	15	NA	NA
Total Pet Imports	(000 b/d)	122	119	128	144	143	129	120	72	55	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(50)	(22)	3	10	28	20	20	(24)	(45)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	26	(26)	(22)	(34)	(30)	(34)	(40)	(26)	(34)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(24)	(48)	(19)	(24)	(2)	(14)	(20)	(50)	(79)	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Syria

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	15	16	16	16	16	16	16	16	16	16	16	16	16
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	15	16	16	16	16	16	16	16	16	16	16	16	16
1982													
Land	16	16	16	16	15	15	15	15	15	15	15	15	15
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	16	16	16	15	15	15	15	15	15	15	15	15
1983													
Land	15	15	15	14	14	14	14	14	16	16	16	16	15
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	15	15	15	14	14	14	14	14	16	16	16	16	15
1984													
Land	19	19	19	19	25	25	25	25	25	25	25	25	23
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	19	19	19	19	25	25	25	25	25	25	25	25	23
1985													
Land	25	25	25	25	25	26	26	26	26	26	26	26	26
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	25	25	25	25	25	26	26	26	26	26	26	26	26
1986													
Land	26	26	26	29	29	28	28	28	28	28	28	20	27
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	26	26	26	29	29	28	28	28	28	28	28	20	27
1987													
Land	20	20	20	20	20	20	20	25	25	25	25	25	22
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	20	20	20	20	20	20	20	25	25	25	25	25	22
1988													
Land	25	20	20	21	21	21	21	30	26	26	31	31	24
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0-
Total	25	20	20	21	21	21	21	30	26	26	31	31	24
1989													
Land	25	24	24	24	23	23	23	27	27	23	22	22	24
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	25	24	24	24	23	23	23	27	27	23	22	22	24
1990													
Land	22	22	18	19	19	17	10	14	16	16	14	13	17
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	22	22	18	19	19	17	10	14	16	16	14	13	17

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Syria

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	50	50	50	50	50	50	50	80	80	90	90	90	65.0
1971	100	100	100	100	100	100	100	110	129	129	120	120	109.0
1972	120	120	120	120	120	120	120	120	120	120	120	120	120.0
1973	120	120	120	120	120	120	120	120	120	20	50	50	100.0
1974	50	50	150	150	150	150	150	150	150	155	155	155	134.6
1975	155	140	140	150	175	175	175	175	175	175	175	175	165.4
1976	175	175	175	175	175	175	175	175	175	175	175	175	175.0
1977	200	200	200	200	200	200	205	205	205	205	205	205	202.5
1978	205	205	205	205	205	205	205	170	170	170	170	170	190.4
1979	170	170	170	170	170	180	180	180	160	160	160	160	169.2
1980	165	165	165	165	165	165	165	165	165	165	165	170	165.4
1981	165	165	165	165	165	165	165	165	170	170	170	170	166.7
1982	160	160	160	160	160	160	160	160	160	160	160	160	160.0
1983	170	165	165	165	165	165	165	165	168	168	168	168	166.4
1984	170	170	170	170	170	170	170	170	170	170	170	170	170.0
1985	175	175	175	175	175	175	175	175	175	185	185	185	177.5
1986	185	185	185	185	185	185	185	185	185	220	220	220	193.8
1987	220	220	220	220	220	240	240	240	240	240	240	240	231.7
1988	220	250	260	260	260	260	260	260	260	260	260	260	255.8
1989	250	250	350	305	345	300	300	300	350	390	370	380	324.2
1990	374	374	374	394	394	370	400	400	400	410	410	410	392.5

Natural Gas
Billion Cubic Feet

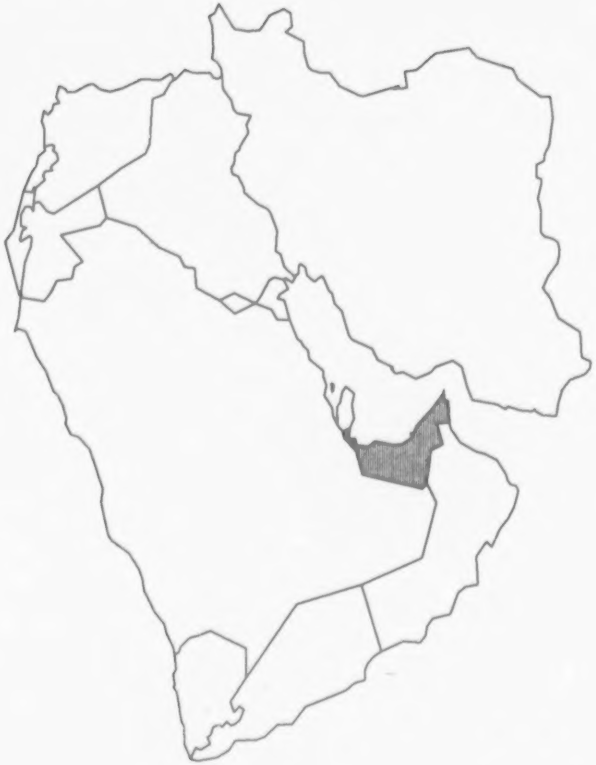
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1977	NA	NA	NA	NA	NA	5.5	6.1	6.2	6.1	6.2	6.0	5.8	41.9
1978	6.0	6.0	6.0	5.4	5.0	4.8	4.5	4.0	3.6	4.0	3.6	3.2	56.1
1979	3.0	3.0	3.0	2.8	2.8	2.8	3.0	3.0	2.5	2.9	2.0	2.0	33.1
1980	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	17.0
1981	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	13.0
1982	1.0	1.0	1.0	1.0	1.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	9.2
1983	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	8.4
1984	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	8.4
1985	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	6.0
1986	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	4.8
1987	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.4	1.4	1.4	1.4	6.8
1988	1.4	1.3	1.4	1.4	4.4	1.8	1.9	1.9	1.8	1.9	1.8	1.9	22.9
1989	1.9	1.7	1.9	1.8	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.2	24.5
1990	2.2	2.0	2.2	2.1	2.2	2.1	2.2	2.2	2.1	2.2	2.1	2.2	25.8

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

United Arab Emirates

Abu Dhabi
Dubai
Ra's al Kaymah
Sharjah

Size (Square Miles): 32,278
Location: Middle East



United Arab Emirates

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	190	220	272	325	377	430	510	590	690	790	890
GNP (Mill US Dollars)	480	530	929	1,505	2,853	7,855	9,972	12,901	16,243	15,680	20,966
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Population (Thousands)	1,010	1,100	1,170	1,210	1,290	1,350	1,400	1,450	1,500	1,550
GNP (Mill US Dollars)	29,617	32,988	30,618	28,031	27,676	27,023	21,602	23,699	23,835	27,387
GNP per Capita (US Dollars)	NA	NA	NA	NA	NA	NA	NA	NA	NA	17,669

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

United Arab Emirates

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Primary Energy
1980	0.16	0.11	0.27
1981	0.21	0.14	0.35
1982	0.23	0.10	0.33
1983	0.23	0.19	0.42
1984	0.24	0.25	0.50
1985	0.25	0.39	0.65
1986	0.26	0.45	0.71
1987	0.27	0.61	0.88
1988	0.29	0.64	0.93
1989	0.29	0.67	0.96

Production

	Petroleum	Natural Gas	Primary Energy
1973	3.24	0.04	3.27
1974	3.51	0.04	3.56
1975	3.48	0.08	3.57
1976	4.14	0.06	4.20
1977	4.25	0.20	4.45
1978	3.92	0.18	4.09
1979	3.92	0.20	4.12
1980	3.68	0.21	3.89
1981	3.21	0.24	3.45
1982	2.79	0.21	3.00
1983	2.63	0.28	2.91
1984	2.65	0.36	3.00
1985	2.78	0.51	3.29
1986	2.81	0.56	3.68
1987	3.26	0.71	4.21
1988	3.32	0.69	4.22
1989	4.14	0.71	5.06

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

United Arab Emirates

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	26	33	44	42	36	26	18	11	10	9	12
Abu Dhabi	(Number)	23	31	41	35	29	21	15	9	7	6	9
Dubai	(Number)	3	2	3	7	7	5	3	2	3	3	3
Well Completions	(Total)	139	161	194	NA	143	NA	111	NA	NA	52	NA
Abu Dhabi	(Total)	123	146	169	NA	132	NA	85	NA	NA	28	NA
Dubai	(Total)	13	11	23	NA	4	NA	24	NA	NA	24	NA
Ra's al Khaymah	(Total)	1	0	1	NA	4	NA	2	NA	NA	NA	NA
Sharjah	(Total)	2	4	1	NA	3	NA	NA	NA	NA	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	29,411	30,410	32,176	32,354	32,340	32,490	32,990	33,050	98,105	98,105	98,105
Abu Dhabi	(Mill bbl)	28,000	29,000	30,600	30,510	30,400	30,500	31,000	31,000	92,205	92,205	92,205
Dubai	(Mill bbl)	1,400	1,400	1,270	1,440	1,440	1,440	1,400	1,350	4,000	4,000	4,000
Ra's al Khaymah	(Mill bbl)	NA	NA	NA	NA	100	100	100	200	400	400	400
Sharjah	(Mill bbl)	11	10	306	404	400	450	490	500	1,500	1,500	1,500
Nat. Gas Reserves, Beginning of Year	(bcf)	20,500	20,775	23,250	28,580	31,220	31,970	32,800	104,600	203,500	201,515	373,147
Abu Dhabi	(bcf)	19,000	20,000	19,500	19,260	20,500	20,750	20,500	90,000	183,500	183,500	182,900
Dubai	(bcf)	1,500	775	750	4,320	4,320	4,320	4,400	4,400	6,000	5,015	4,900
Ra's al Khaymah	(bcf)	NA	NA	NA	NA	400	400	400	1,200	2,000	2,000	181,347
Sharjah	(bcf)	0	0	3,000	5,000	6,000	6,500	7,500	9,000	12,000	11,000	4,000
Crude Oil Production	(000 b/d)	1,681	1,513	1,230	1,109	1,151	1,142	1,328	1,400	1,471	1,863	2,118
Nat. Gas Production	(bcf)	139	228	308	204	265	316	362	574	600	791	1,092
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity (Abu Dhabi)	(000 b/d)	14	14	128	135	185	185	185	185	180	180	180
Petroleum Product Demand												
Motor Gasoline Demand +	(000 b/d)	11	14	18	19	20	22	22	21	21	NA	NA
Middle Distillate Demand	(000 b/d)	32	34	43	44	46	42	32	42	46	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	4	20	32	27	26	22	31	39	39	NA	NA
Total Product Demand	(000 b/d)	55	126	126	107	115	121	115	126	134	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	1,704	1,428	1,241	1,127	1,102	1,108	1,180	1,320	1,345	NA	NA
Pet Product Exports	(000 b/d)	2	0	42	41	79	72	235	230	212	NA	NA
Total Pet Exports	(000 b/d)	1,706	1,428	1,283	1,168	1,181	1,180	1,415	1,550	1,557	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	15	NA	NA
Pet Product Imports	(000 b/d)	42	42	69	64	11	8	3	1	0	NA	NA
Total Pet Imports	(000 b/d)	42	42	69	64	11	8	3	1	15	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(1,704)	(1,428)	(1,241)	(1,127)	(1,102)	(1,108)	(1,180)	(1,320)	(1,330)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	40	42	27	23	(68)	(64)	(232)	(229)	(212)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(1,664)	(1,386)	(1,214)	(1,104)	(1,170)	(1,172)	(1,412)	(1,549)	(1,542)	NA	NA
Natural Gas Exports	(bcf)	NA	NA	NA	88	103	107	106	102	113	NA	NA
Natural Gas Imports	(bcf)	NA	NA	NA	0	0	0	0	0	77	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

United Arab Emirates - Abu Dhabi

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	5	4	10	10	10	10	18	18	19	19	19	19	13
Offshore	19	19	18	18	18	18	16	16	16	16	16	16	17
Total	24	23	28	28	28	28	34	34	35	35	35	35	30
1982													
Land	19	19	19	19	16	17	18	18	18	17	17	17	18
Offshore	16	19	19	19	22	22	24	24	27	27	27	27	23
Total	35	38	38	38	38	39	42	42	45	44	44	44	41
1983													
Land	17	17	14	13	13	13	11	10	10	8	8	7	12
Offshore	27	27	26	27	26	26	23	21	19	19	19	19	23
Total	44	44	40	40	39	39	34	31	29	27	27	26	35
1984													
Land	8	11	11	9	9	9	9	10	10	10	10	10	10
Offshore	22	19	19	19	19	19	20	20	20	20	20	18	20
Total	30	30	30	28	28	28	29	30	30	30	30	28	30
1985													
Land	10	9	9	9	9	10	10	10	10	10	10	9	10
Offshore	18	13	13	13	13	9	10	10	10	10	10	11	12
Total	28	22	22	22	22	19	20	20	20	20	20	20	22
1986													
Land	9	9	9	8	9	9	8	7	7	6	6	6	8
Offshore	11	11	9	8	8	6	6	6	6	5	5	6	7
Total	20	20	18	16	17	15	14	13	13	11	11	12	15
1987													
Land	5	4	5	5	3	2	3	2	2	2	2	2	3
Offshore	6	5	6	6	7	6	5	5	6	6	5	4	6
Total	11	9	11	11	10	8	8	7	8	8	7	6	9
1988													
Land	3	3	3	3	2	2	2	2	2	3	3	3	3
Offshore	4	4	5	5	5	5	5	5	5	5	5	5	5
Total	7	7	8	8	7	7	7	7	7	8	8	8	8
1989													
Land	3	1	1	1	3	3	2	1	3	3	3	2	2
Offshore	5	5	5	5	2	2	5	3	4	4	5	5	4
Total	8	6	6	6	5	5	7	4	7	7	8	7	6
1990													
Land	2	2	2	3	3	3	3	3	4	5	5	5	3
Offshore	6	6	3	5	7	7	5	3	2	5	7	8	5
Total	8	8	5	8	10	10	8	6	6	10	12	13	8

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

United Arab Emirates - Dubai

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	1	1	0	0	0	0	0	0	0	1	1	1	0
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	3	3	2	2	2	2	2	2	2	3	3	3	2
1982													
Land	1	1	1	1	1	1	1	0	0	0	1	1	1
Offshore	2	2	2	2	2	2	2	3	3	2	1	1	2
Total	3	3	3	3	3	3	3	3	3	2	2	2	3
1983													
Land	2	2	2	2	0	0	2	2	3	4	6	6	3
Offshore	2	2	3	3	4	4	5	6	5	5	5	5	4
Total	4	4	5	5	4	4	7	8	8	9	11	11	7
1984													
Land	4	4	4	6	6	6	3	2	2	2	2	1	4
Offshore	3	3	2	2	2	2	3	4	4	4	4	6	3
Total	7	7	6	8	8	8	6	6	6	6	6	7	7
1985													
Land	1	0	0	0	1	0	0	0	0	1	1	1	0
Offshore	6	4	4	4	3	5	5	5	5	4	4	2	4
Total	7	4	4	4	4	5	5	5	5	5	5	3	4
1986													
Land	1	1	1	2	1	1	1	1	1	1	1	1	1
Offshore	2	2	2	4	1	1	2	2	2	3	3	3	2
Total	3	3	3	6	2	2	3	3	3	4	4	4	3
1987													
Land	1	0	0	0	0	0	0	0	1	1	0	0	0
Offshore	4	3	2	2	2	2	2	1	0	1	1	3	2
Total	5	3	2	2	2	2	2	1	1	2	1	3	2
1988													
Land	0	0	0	0	0	0	0	0	0	0	1	1	0
Offshore	3	2	3	4	5	4	3	3	3	3	3	3	3
Total	3	2	3	4	5	4	3	3	3	3	4	4	3
1989													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	3	3	3	3	2	1	4	3	2	2	2	3	3
Total	3	3	3	3	2	1	4	3	2	2	2	3	3
1990													
Land	0	0	0	0	0	1	1	1	1	1	0	1	1
Offshore	3	3	3	4	3	2	2	2	2	3	3	4	3
Total	3	3	3	4	3	3	3	3	3	4	3	5	4

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

United Arab Emirates

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	647	661	706	589	749	734	684	688	824	928	915	1,009	777.9
1971	994	873	1,075	952	1,146	1,116	1,123	1,043	1,027	1,036	1,099	1,094	1,048.3
1972	1,178	1,166	1,154	1,181	1,118	882	1,111	1,276	1,328	1,291	1,362	1,382	1,202.3
1973	1,495	1,598	1,549	1,603	1,623	1,508	1,615	1,623	1,654	1,554	1,295	1,157	1,522.8
1974	1,390	1,513	1,739	1,857	1,859	1,824	1,936	1,782	1,707	1,491	1,532	1,538	1,680.7
1975	1,108	1,026	1,450	1,691	1,709	1,932	2,060	1,863	1,868	1,662	2,047	1,879	1,691.3
1976	1,906	1,900	1,876	1,877	1,878	1,948	1,951	1,966	1,983	2,028	1,958	2,002	1,939.9
1977	1,936	2,051	2,016	2,071	2,057	2,047	2,053	1,940	2,007	2,029	1,941	2,000	2,012.3
1978	1,735	1,880	1,856	1,763	1,878	1,850	1,836	1,841	1,836	1,842	1,834	1,846	1,833.1
1979	1,831	1,829	1,818	1,747	1,858	1,859	1,835	1,830	1,837	1,783	1,865	1,873	1,830.4
1980	1,740	1,737	1,697	1,706	1,762	1,746	1,710	1,665	1,671	1,671	1,695	1,366	1,680.5
1981	1,620	1,605	1,609	1,661	1,525	1,434	1,413	1,481	1,463	1,478	1,366	1,501	1,513.0
1982	1,383	1,375	1,355	1,225	1,177	1,207	1,207	1,207	1,207	1,207	1,207	1,000	1,229.8
1983	1,000	945	1,000	1,100	1,100	1,150	1,150	1,160	1,160	1,160	1,185	1,200	1,109.2
1984	1,294	1,140	1,280	1,200	1,100	1,200	1,200	1,000	1,100	1,000	1,100	1,200	1,151.2
1985	1,100	1,100	1,100	1,100	1,100	1,050	1,050	1,100	1,200	1,200	1,300	1,300	1,141.7
1986	1,300	1,400	1,400	1,300	1,300	1,500	1,500	1,600	1,200	1,200	1,100	1,130	1,327.5
1987	1,130	1,100	1,100	1,100	1,145	1,300	1,340	1,840	1,840	1,750	1,750	1,400	1,399.6
1988	1,040	970	1,180	1,330	1,330	1,300	1,400	1,600	1,900	1,900	1,800	1,900	1,470.8
1989	1,670	1,540	1,490	1,500	1,600	1,800	1,800	1,900	2,150	2,200	2,350	2,350	1,862.5
1990	2,050	2,080	2,090	2,100	2,110	1,990	1,990	1,720	2,250	2,260	2,360	2,420	2,118.3

Natural Gas
Billion Cubic Feet

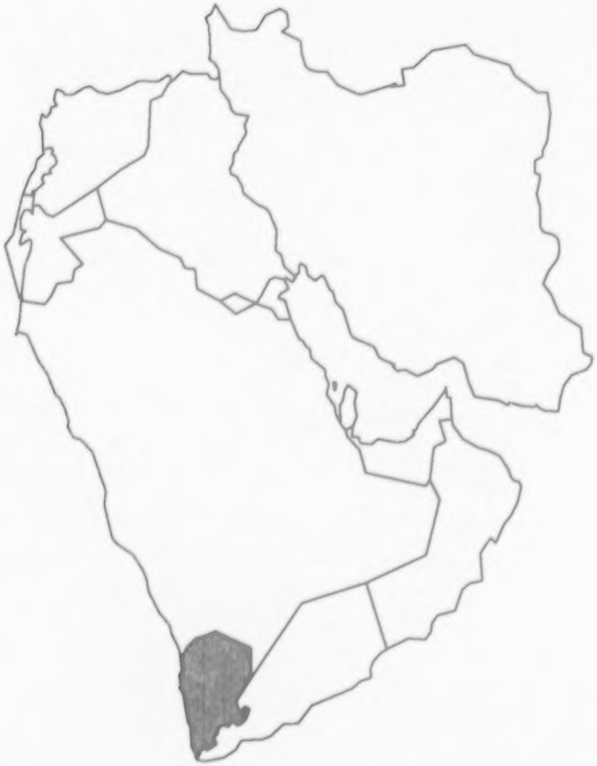
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1980	4.0	3.8	3.0	3.0	3.0	17.5	17.0	18.0	18.0	18.0	17.0	17.0	11.6
1981	19.9	20.0	20.0	20.0	20.0	20.0	18.0	18.0	18.0	18.0	18.0	18.0	19.0
1982	18.0	18.0	18.0	18.0	18.0	33.3	33.3	33.3	33.3	39.6	22.6	22.6	25.7
1983	16.8	15.7	16.8	16.3	16.8	16.3	16.8	16.8	16.3	16.8	16.3	22.0	17.0
1984	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	23.0	22.1
1985	23.0	23.0	23.0	23.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	26.3
1986	28.7	25.9	28.7	27.8	28.7	27.8	28.7	28.7	27.8	28.7	40.3	40.3	30.2
1987	34.0	36.2	38.8	38.8	40.4	45.9	45.9	62.0	62.0	64.1	59.0	47.2	47.9
1988	33.7	30.3	39.8	44.8	44.0	43.8	47.2	56.8	67.5	67.5	63.9	60.7	50.0
1989	56.5	51.4	55.1	55.5	61.2	65.0	67.2	67.9	74.4	76.1	78.9	81.5	65.9
1990	90.2	82.7	92.0	89.5	97.1	88.6	91.6	79.2	90.2	94.4	95.4	101.2	91.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Notes

Yemen

Size (Square Miles): 75,290
Location: Middle East



Yemen

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Energy Consumption												
Petroleum Consumption	**(Quad BTU)**	0.06	0.07	0.08	0.06	0.09	0.09	0.09	0.08	0.08	0.08	NA
Exploration, Drilling & Production												
Active Drilling Rigs (North Yemen)	**(Number)**	0	0	0	0	0	0	1	4	4	3	2
Well Completions	**(Total)**	NA	NA	NA	NA	3	NA	NA	NA	NA	97	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	0	0	0	0	0	0	200	500	550	4,380	4,000
Nat. Gas Reserves, Beginning of Year	**(bcf)**	0	0	0	0	0	0	0	600	1,600	3,700	9,260
Crude Oil Production	**(000 b/d)**	0	0	0	0	0	0	0	0	170	188	190
Nat. Gas Production	**(bcf)**	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	0
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	175	175	178	178	130	178	162	180	180	172	172
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	NA	4	5	5	6	6	5	7	7	NA	NA
Middle Distillate Demand	**(000 b/d)**	NA	7	8	8	9	12	9	7	7	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	NA	16	19	10	20	18	19	17	16	NA	NA
Total Product Demand	**(000 b/d)**	NA	31	36	29	41	43	39	38	36	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Yemen

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1985													
Land	0	0	0	0	0	0	0	0	0	2	2	2	1
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	2	2	2	1
1986													
Land	2	2	2	4	4	4	4	4	4	4	4	4	4
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	4	4	4	4	4	4	4	4	4	4
1987													
Land	5	4	4	4	4	4	4	4	4	4	4	4	4
Offshore	0	0	0	0	0	0	0	0	0	0	1	1	0
Total	5	4	4	4	4	4	4	4	4	4	5	5	4
1988													
Land	5	5	3	3	3	2	2	3	3	3	3	3	3
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	3	3	3	2	2	3	3	3	3	3	3
1989													
Land	3	2	2	2	2	2	1	1	2	2	3	3	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3	2	2	2	2	2	1	1	2	2	3	3	2
1990													
Land	3	3	2	2	2	2	2	2	2	3	4	4	3
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3	3	2	2	2	2	2	2	2	3	4	4	3

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Yemen

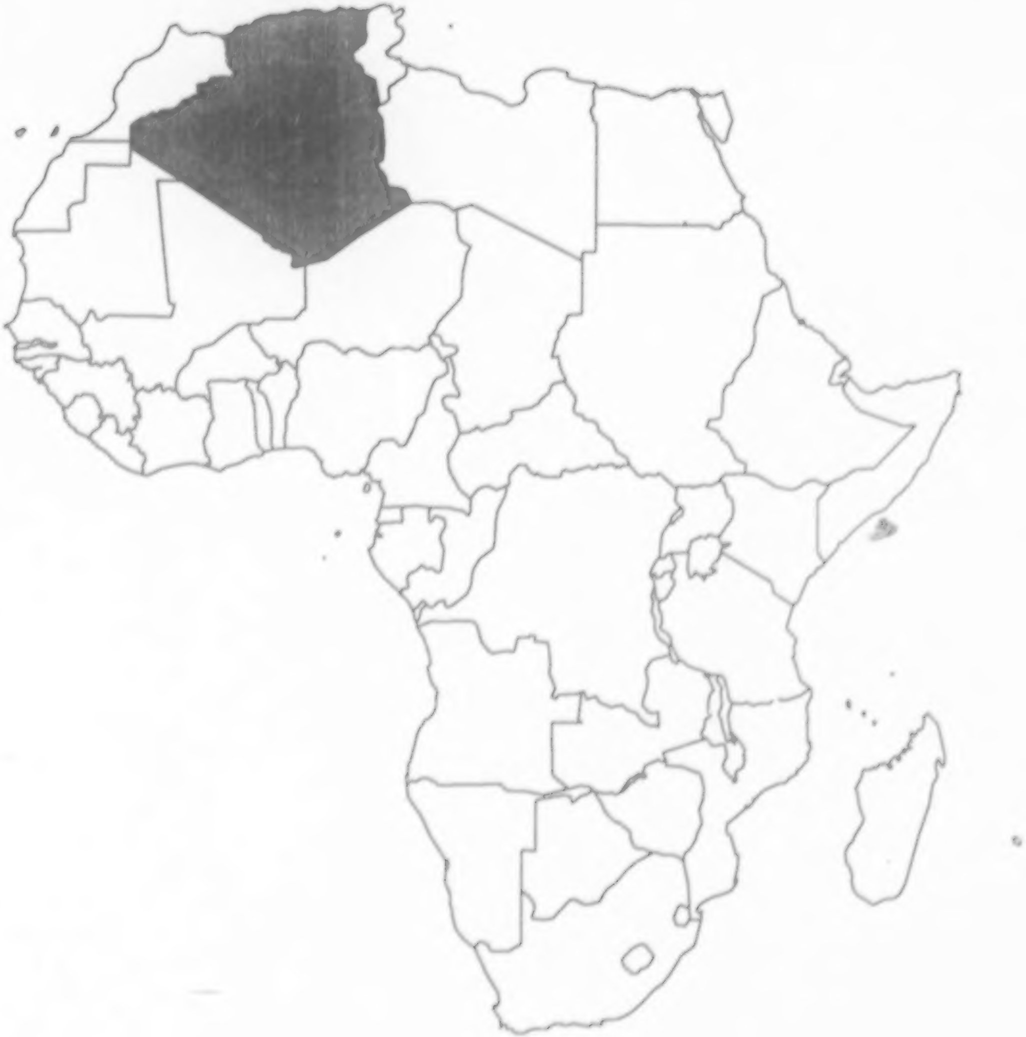
Crude Oil Production
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1988	120	150	160	160	170	190	190	190	190	140	180	200	170.0
1989	210	190	190	190	190	180	180	180	190	190	190	180	188.3
1990	190	190	190	190	190	190	175	170	200	200	200	200	190.4

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Algeria

Size (Square Miles): 919,595
Location: Africa



Algeria

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	13,340	13,746	14,169	14,609	15,064	15,534	16,018	16,516	17,030	17,559	18,105
GNP (Mill US Dollars)	4,259	4,759	5,045	6,757	8,669	13,220	15,425	17,507	20,655	25,814	32,213
GNP per Capita (US Dollars)	330	360	330	450	520	670	870	1,060	1,180	1,380	1,650
Consumer Price Index (1987=100)	22.3	23.8	24.4	25.3	26.9	28.1	30.7	33.4	37.4	43.8	48.9

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	18,669	19,254	19,862	20,495	21,173	21,848	22,497	23,124	23,753	24,453
GNP (Mill US Dollars)	41,122	43,069	43,904	47,576	51,645	56,626	61,666	62,942	49,927	45,919
GNP per Capita (US Dollars)	1,940	2,240	2,420	2,420	2,460	2,580	2,650	2,680	2,430	2,220
Consumer Price Index (1987=100)	53.5	61.3	65.4	70.5	75.0	82.8	93.1	100.0	105.9	NA

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Algeria

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Primary Energy
1980	0.24	0.49	0.76
1981	0.25	0.37	0.64
1982	0.28	0.59	0.89
1983	0.26	0.70	1.00
1984	0.31	0.72	1.07
1985	0.32	0.62	0.99
1986	0.32	0.64	0.99
1987	0.32	0.70	1.06
1988	0.33	0.71	1.07
1989	0.35	0.74	1.12

Production

	Petroleum	Natural Gas	Primary Energy
1973	2.29	0.18	2.47
1974	2.14	0.21	2.35
1975	2.13	0.22	2.36
1976	2.35	0.30	2.65
1977	2.41	0.22	2.63
1978	2.58	0.70	3.28
1979	2.57	0.58	3.16
1980	2.32	0.44	2.75
1981	2.12	0.82	2.95
1982	2.11	1.00	3.11
1983	2.06	1.39	3.46
1984	2.26	1.44	3.71
1985	2.32	1.44	3.77
1986	2.14	1.41	3.55
1987	2.38	1.62	4.01
1988	2.33	1.68	4.02
1989	2.47	1.74	4.21

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Algeria

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	111	91	81	54	27	35	41	40	32	24	35
Crude Oil Reserves, Beginning of Year	(Mill bbl)	8,440	8,200	8,080	9,440	9,220	9,000	8,820	8,800	8,500	8,400	9,200
Nat. Gas Reserves, Beginning of Year	(bcf)	132,000	131,500	130,900	111,250	110,180	109,100	107,080	106,000	105,900	104,200	114,000
Crude Oil Production	(000 b/d)	1,004	813	775	685	608	647	622	652	642	707	793
Nat. Gas Production	(bcf)	517	1,149	793	707	810	1,300	1,238	1,417	1,543	1,576	1,588
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	122	122	122	137	137	465	465	465	465	465	465
Ethylene Capacity	(000 Tons/Yr)-	NA	120	120	120	120	120	364	364	364	364	364
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	24	31	33	33	28	39	41	42	42	NA	NA
Middle Distillate Demand	(000 b/d)	37	41	45	45	43	60	47	56	55	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	6	5	5	8	11	3	9	7	9	NA	NA
Total Product Demand	(000 b/d)	111	127	143	136	150	165	166	167	172	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	998	830	550	580	616	515	514	565	572	NA	NA
Pet Product Exports	(000 b/d)	151	85	163	196	227	275	415	470	425	NA	NA
Total Pet Exports	(000 b/d)	1,149	915	713	776	843	790	929	1,035	997	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	7	9	0	0	NA	NA
Pet Product Imports	(000 b/d)	36	13	3	3	2	2	12	12	12	NA	NA
Total Pet Imports	(000 b/d)	36	13	3	3	2	9	21	12	12	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(998)	(830)	(550)	(580)	(616)	(508)	(505)	(565)	(572)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(115)	(72)	(160)	(193)	(225)	(273)	(403)	(458)	(413)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(1,113)	(902)	(710)	(773)	(841)	(781)	(908)	(1,023)	(985)	NA	NA
Natural Gas Exports	(bcf)	223	247	337	658	680	776	728	869	917	NA	NA
Natural Gas Imports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc., Energy Information, Oil & Gas Journal

Algeria

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	106	106	106	98	98	98	98	80	80	74	74	77	91
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	106	106	106	98	98	98	98	80	80	74	74	77	91
1982													
Land	77	68	68	68	78	78	90	90	90	90	90	90	81
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	77	68	68	68	78	78	90	90	90	90	90	90	81
1983													
Land	80	80	80	70	60	50	40	40	40	35	35	35	54
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	80	80	80	70	60	50	40	40	40	35	35	35	54
1984													
Land	35	30	25	25	25	25	26	26	26	26	26	26	27
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	35	30	25	25	25	25	26	26	26	26	26	26	27
1985													
Land	26	26	26	26	30	35	40	45	47	41	41	41	35
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	26	26	26	26	30	35	40	45	47	41	41	41	35
1986													
Land	41	41	41	41	40	43	43	42	41	40	40	40	41
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	41	41	41	41	40	43	43	42	41	40	40	40	41
1987													
Land	40	40	46	46	46	45	45	35	37	34	34	33	40
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	40	40	46	46	46	45	45	35	37	34	34	33	40
1988													
Land	34	36	33	33	33	33	33	33	33	33	33	19	32
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	34	36	33	33	33	33	33	33	33	33	33	19	32
1989													
Land	19	19	19	19	19	19	19	19	37	35	32	32	24
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	19	19	19	19	19	19	19	19	37	35	32	32	24
1990													
Land	35	35	35	35	35	40	35	35	35	35	35	35	35
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	35	35	35	35	35	40	35	35	35	35	35	35	35

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Algeria

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	940	940	940	945	980	980	980	1,000	1,000	1,000	1,000	1,000	975.4
1971	1,070	1,000	960	500	300	300	450	555	600	650	700	725	650.8
1972	750	800	850	1,000	1,000	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,008.3
1973	1,100	1,100	1,100	1,100	1,110	1,110	1,100	1,100	1,100	1,020	880	860	1,056.7
1974	960	980	980	1,000	1,000	950	900	950	900	900	800	800	926.7
1975	700	700	900	900	800	900	900	900	900	900	1,000	1,000	875.0
1976	1,000	1,000	1,000	1,000	1,000	1,000	950	950	950	1,000	1,100	1,100	1,004.2
1977	1,100	1,100	1,069	1,100	1,000	1,000	900	900	900	1,100	1,100	1,100	1,030.8
1978	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,225	1,225	1,225	1,225	1,225	1,093.8
1979	1,100	1,225	1,225	1,225	1,225	1,225	1,000	1,000	1,000	1,000	1,000	1,000	1,102.1
1980	1,200	1,200	1,200	1,000	1,000	1,000	900	900	900	1,000	1,000	750	1,004.2
1981	900	900	900	850	850	800	800	800	750	750	750	700	812.5
1982	950	700	645	690	720	750	750	690	800	900	900	800	774.6
1983	700	600	600	720	700	700	700	700	700	700	700	700	685.0
1984	700	600	600	600	600	600	600	600	600	600	600	600	608.3
1985	600	665	690	650	650	600	600	650	650	650	680	680	647.1
1986	650	550	550	550	600	600	650	650	663	663	669	669	622.0
1987	635	635	600	635	635	635	700	700	667	667	670	650	652.4
1988	540	590	680	660	660	600	620	670	650	670	670	690	641.7
1989	630	630	710	690	680	690	700	740	740	750	750	770	706.7
1990	790	820	810	800	760	760	760	810	810	800	800	800	793.3

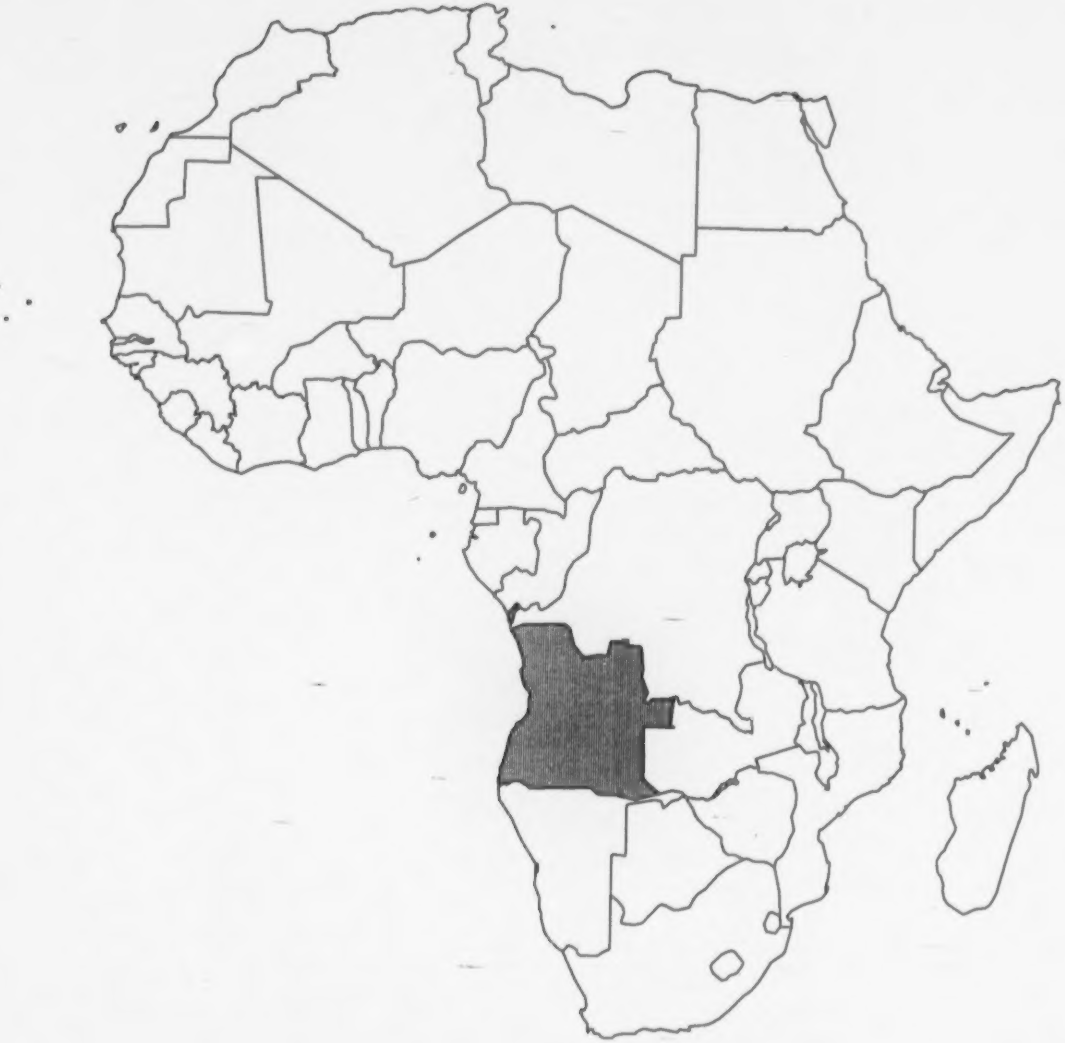
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976	NA	NA	NA	NA	NA	16.7	24.5	26.5	26.0	26.7	26.5	26.5	173.4
1977	16.1	16.5	18.0	28.0	26.5	21.0	26.5	26.5	26.5	26.5	26.4	26.0	284.5
1978	25.6	26.0	27.6	27.6	27.9	27.9	27.9	27.9	25.8	27.9	28.7	27.9	328.7
1979	27.8	24.5	27.9	26.4	27.9	27.7	27.8	27.8	41.1	27.9	25.7	26.0	338.5
1980	38.8	38.9	38.9	38.9	38.9	62.9	62.9	63.0	60.0	20.0	26.9	26.9	517.0
1981	98.8	98.0	96.0	96.0	96.0	95.0	95.0	95.0	95.0	95.0	95.0	94.0	1,148.8
1982	94.0	60.0	60.0	60.0	60.0	64.2	64.2	64.2	64.2	64.2	69.0	69.0	793.0
1983	58.2	54.4	60.2	58.3	60.2	58.3	60.2	60.2	58.3	60.2	58.3	60.0	706.8
1984	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	105.0	105.0	810.0
1985	105.0	105.0	105.0	105.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	1,300.0
1986	103.1	93.1	103.1	100.0	103.1	100.0	103.1	103.1	100.0	103.1	113.3	113.3	1,238.3
1987	115.5	104.2	104.7	110.9	110.9	110.9	122.2	132.3	126.0	130.2	126.6	122.8	1,417.2
1988	113.4	126.0	134.7	130.4	130.4	130.4	126.1	130.6	130.6	133.1	126.3	130.5	1,542.5
1989	125.8	119.8	127.4	123.8	126.0	132.1	136.5	140.4	135.9	137.7	133.3	137.7	1,576.4
1990	135.9	118.1	129.2	123.5	127.6	123.5	132.7	141.4	136.8	141.3	136.7	141.3	1,588.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Angola

Size (Square Miles): 481,354
Location: Africa



Angola

Energy Consumption and Production by Source
Quadrillion BTU

Petroleum Consumption

1980	0.04
1981	0.04
1982	0.05
1983	0.05
1984	0.04
1985	0.05
1986	0.05
1987	0.05
1988	0.05
1989	0.05

Natural Gas Production

1973	0.35
1974	0.36
1975	0.35
1976	0.23
1977	0.41
1978	0.28
1979	0.31
1980	0.32
1981	0.28
1982	0.26
1983	0.38
1984	0.44
1985	0.49
1986	0.60
1987	0.77
1988	0.96
1989	0.96

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration.

Angola

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	**(Number)**	5	5	11	12	7	11	7	10	10	8	8
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	1,200	1,200	1,450	1,635	1,700	1,800	2,000	1,149	1,149	2,024	2,024
Nat. Gas Reserves, Beginning of Year	**(bcf)**	1,175	1,050	1,030	1,470	1,550	1,650	1,870	1,800	1,760	1,900	2,100
Crude Oil Production	**(000 b/d)**	148	130	122	172	208	230	277	351	451	459	479
Nat. Gas Production	**(bcf)**	1	7	10	59	78	12	8	7	8	15	19
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	36	31	32	32	32	32	32	32	32	32	32
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	NA	NA	NA	NA	2	3	2	2	2	NA	NA
Middle Distillate Demand	**(000 b/d)**	NA	NA	NA	NA	5	6	6	6	6	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	NA	NA	NA	NA	9	10	10	10	10	NA	NA
Total Product Demand	**(000 b/d)**	NA	NA	NA	NA	19	25	24	24	25	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	152	115	104	135	182	205	252	328	426	NA	NA
Pet Product Exports	**(000 b/d)**	2	2	1	3	2	2	3	3	3	NA	NA
Total Pet Exports	**(000 b/d)**	154	117	105	138	184	207	255	331	429	NA	NA
Crude Oil Imports	**(000 b/d)**	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	**(000 b/d)**	3	3	3	1	1	1	*	*	*	NA	NA
Total Pet Imports	**(000 b/d)**	3	3	3	1	1	1	0	0	0	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	(152)	(115)	(104)	(135)	(182)	(205)	(252)	(328)	(426)	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	1	1	2	(2)	(1)	(1)	(3)	(3)	(3)	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	(151)	(114)	(102)	(137)	(183)	(206)	(255)	(331)	(429)	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Angola

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	0	0	0	0	0	0	0	0	2	2	2	2	1
Offshore	4	4	4	4	4	4	4	4	6	6	6	6	5
Total	4	4	4	4	4	4	4	4	8	8	8	8	6
1982													
Land	2	2	2	2	2	3	3	3	4	4	4	4	3
Offshore	6	6	6	6	6	10	10	10	9	9	9	9	8
Total	8	8	8	8	8	13	13	13	13	13	13	13	11
1983													
Land	4	4	4	3	2	2	2	2	2	2	2	2	3
Offshore	9	9	9	11	10	10	12	8	8	8	7	7	9
Total	13	13	13	14	12	12	14	10	10	10	9	9	12
1984													
Land	2	2	2	2	2	2	2	2	2	2	2	2	2
Offshore	7	3	3	5	5	5	5	5	5	6	6	6	5
Total	9	5	5	7	7	7	7	7	7	8	8	8	7
1985													
Land	2	4	3	3	2	2	2	2	2	2	2	2	2
Offshore	6	5	7	7	10	10	10	10	10	8	8	7	8
Total	8	9	10	10	12	12	12	12	12	10	10	9	10
1986													
Land	2	1	1	1	0	0	0	0	1	0	0	1	1
Offshore	7	7	6	7	7	7	7	7	4	7	7	6	7
Total	9	8	7	8	7	7	7	7	5	7	7	7	8
1987													
Land	1	1	1	1	1	1	1	1	1	1	1	1	1
Offshore	8	8	8	8	9	8	9	9	10	10	9	9	9
Total	9	9	9	9	10	9	10	10	11	11	10	10	10
1988													
Land	1	1	0	0	0	0	0	0	1	1	1	1	1
Offshore	6	6	12	13	13	13	9	11	10	9	9	8	10
Total	7	7	12	13	13	13	9	11	11	10	10	9	11
1989													
Land	1	1	1	1	1	1	3	1	2	1	1	1	1
Offshore	8	8	8	7	7	7	6	6	5	6	7	8	7
Total	9	9	9	8	8	8	9	7	7	7	8	9	8
1990													
Land	1	1	0	1	1	1	1	1	1	1	1	1	1
Offshore	8	8	7	7	7	7	6	6	6	6	7	7	7
Total	9	9	7	8	8	8	7	7	7	7	8	8	8

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Angola

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	60	60	70	73	73	73	73	73	111	112	114	114	83.8
1971	114	114	108	108	108	109	109	109	109	109	110	110	109.6
1972	110	144	144	145	145	145	145	137	137	137	138	143	139.0
1973	143	143	145	145	145	145	155	155	155	165	165	165	152.2
1974	165	165	170	170	165	165	165	170	170	170	170	170	167.9
1975	170	170	177	144	145	145	150	170	170	170	170	170	162.6
1976	120	120	120	90	103	142	155	170	160	160	160	160	138.3
1977	165	165	165	165	165	165	165	195	195	195	195	195	177.5
1978	195	195	195	190	190	190	190	130	130	130	130	130	166.3
1979	130	130	130	130	130	130	130	130	150	150	150	150	136.7
1980	150	150	150	150	150	150	150	150	150	150	150	130	148.3
1981	130	130	130	130	130	130	130	130	130	130	130	130	130.0
1982	122	122	122	122	122	122	122	122	122	122	122	121	121.9
1983	118	150	158	158	158	183	185	185	185	187	200	200	172.3
1984	205	205	200	200	200	200	213	215	214	215	214	212	207.8
1985	210	210	210	230	230	206	220	240	260	260	238	240	229.5
1986	260	260	277	270	276	290	280	282	286	286	280	280	277.3
1987	296	309	300	300	342	356	350	360	360	377	426	436	351.0
1988	445	454	452	447	447	453	439	451	454	453	459	458	451.0
1989	453	455	455	450	450	460	450	460	470	475	458	466	458.5
1990	460	476	475	475	476	480	469	490	490	477	479	495	478.5

Natural Gas
Billion Cubic Feet

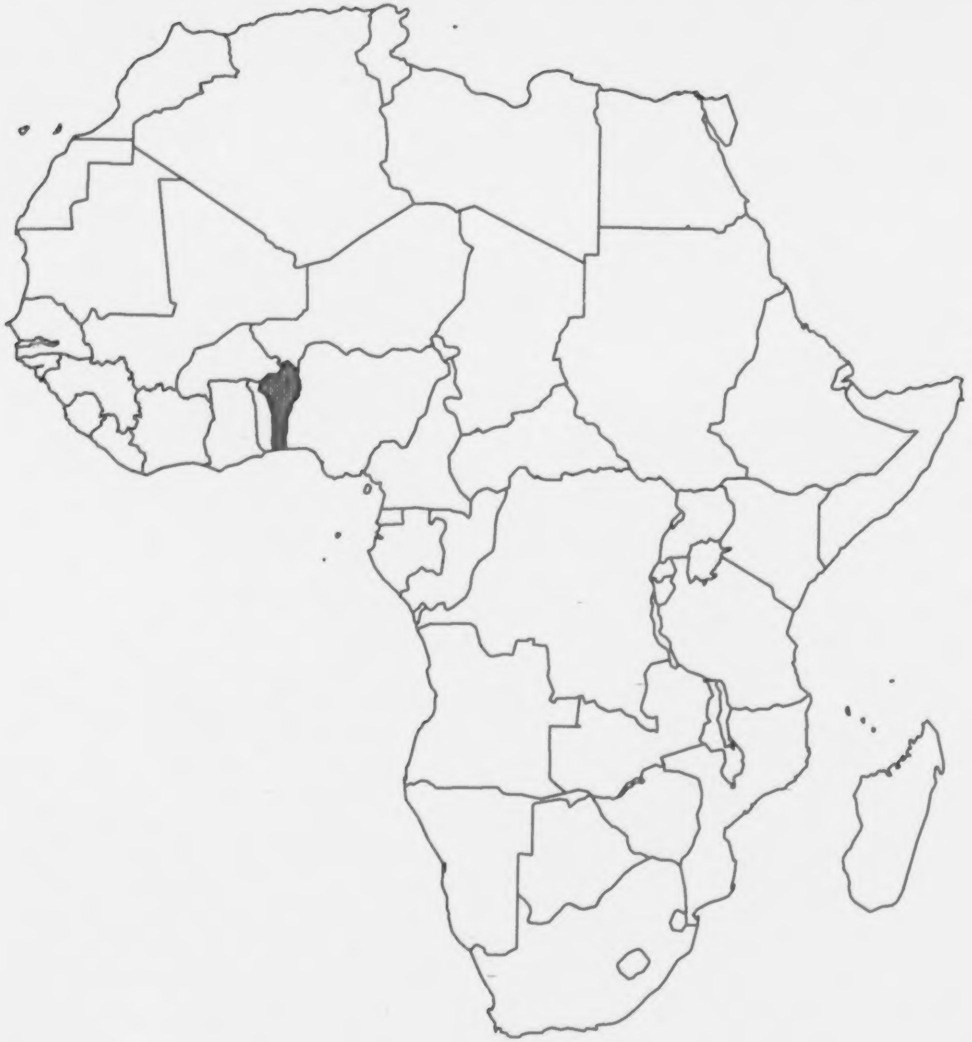
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976	NA	NA	NA	NA	NA	5.7	6.0	5.8	6.0	5.8	6.0	5.9	41.2
1977	5.3	6.7	7.0	6.8	7.0	6.4	7.0	7.4	6.9	7.0	7.1	7.0	81.6
1978	7.1	7.0	7.1	6.8	6.0	4.9	4.8	4.0	4.0	4.1	3.4	3.0	62.2
1979	3.0	2.0	2.0	1.9	1.8	1.9	2.0	2.0	0.1	0.1	0.1	0.1	17.0
1980	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1981	0.1	0.1	0.1	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.3
1982	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	9.9
1983	0.7	0.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.5	59.1
1984	5.5	7.5	8.0	7.7	8.0	7.7	8.0	8.0	8.0	8.0	1.0	1.0	78.4
1985	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
1986	1.0	1.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	8.0
1987	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	7.2
1988	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	7.8
1989	0.7	0.6	0.7	0.7	1.5	1.5	1.6	1.6	1.5	1.6	1.5	1.6	15.1
1990	1.6	1.4	1.6	1.5	1.6	1.5	1.6	1.6	1.6	1.7	1.6	1.7	19.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Notes

Benin

Size (Square Miles): 43,484
Location: Africa



Benin

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	2,589	2,657	2,728	2,801	2,875	2,951	3,029	3,109	3,191	3,276	3,367
GNP (Mill US Dollars)	268	269	269	332	412	451	551	570	612	758	969
GNP per Capita (US Dollars)	110	110	100	110	130	150	160	180	200	220	260

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	3,464	3,568	3,677	3,793	3,915	4,043	4,174	4,310	4,449	4,593
GNP (Mill US Dollars)	1,144	1,042	1,029	967	938	1,084	1,420	1,625	1,733	1,637
GNP per Capita (US Dollars)	320	340	330	280	260	260	280	310	370	380

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Benin

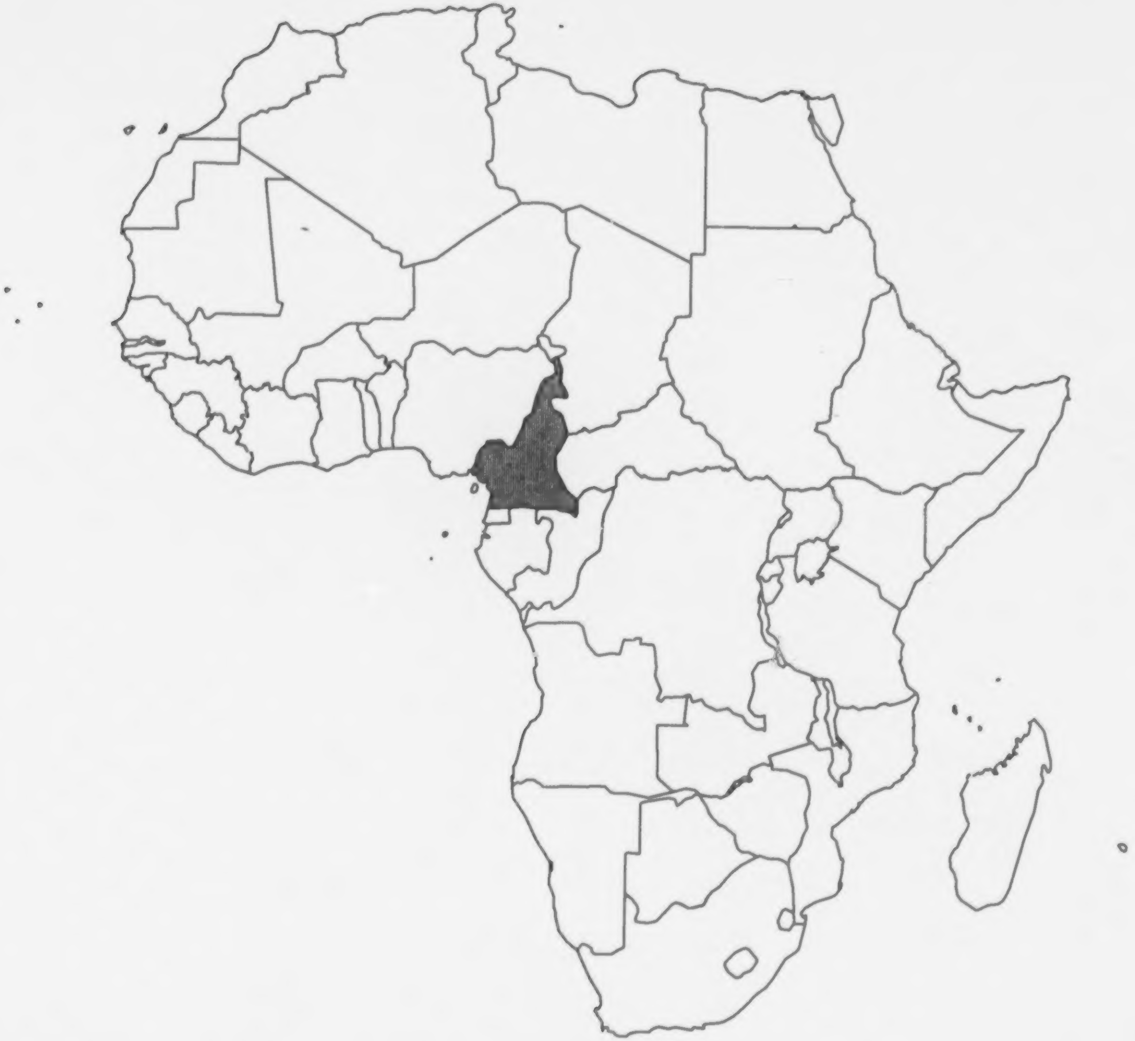
Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Well Completions	(Total)	NA	9	2	4	2	NA	NA	NA	NA	2	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	NA	NA	NA	NA	100	100	100	100	100	100	100

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Oil & Gas Journal

Notes

Cameroon

Size (Square Miles): 183,569
Location: Africa



Cameroon

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	6,352	6,506	6,667	6,840	7,026	7,226	7,439	7,667	7,910	8,167	8,431
GNP (Mill US Dollars)	1,105	1,111	1,140	1,308	1,622	2,074	2,534	2,842	3,123	4,139	5,387
GNP per Capita (US Dollars)	170	180	180	180	210	270	310	360	410	500	600
Consumer Price Index (1987=100)	18.3	19.4	20.2	21.8	24.1	28.2	32.1	35.2	40.4	45.5	48.5

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	8,701	8,978	9,262	9,554	9,855	10,166	10,491	10,830	11,184	11,554
GNP (Mill US Dollars)	6,822	7,652	7,274	7,358	7,471	7,633	10,215	11,981	12,231	10,727
GNP per Capita (US Dollars)	760	900	900	870	820	810	890	920	980	1,000
Consumer Price Index (1987=100)	53.1	58.8	66.6	77.7	86.5	87.6	94.4	100.0	108.6	108.6

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Cameroon

Energy Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Petroleum Production	**(Quad BTU)**	0.13	0.19	0.24	0.25	0.29	0.40	0.38	0.38	0.35	0.37	NA
Exploration, Drilling & Production												
Well Completions	**(Total)**	44	69	75	73	74	32	5	6	8	3	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	140	200	480	530	520	550	555	540	520	400	400
Nat. Gas Reserves, Beginning of Year	**(bcf)**	NA	NA	4,600	4,450	4,200	4,150	3,880	3,800	3,880	3,880	3,880
Crude Oil Production	**(000 b/d)**	59	88	109	114	125	134	180	171	178	171	164
Nat. Gas Production	**(bcf)**	NA	NA	NA	0	0	0	0	0	0	0	0
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	NA	NA	43	43	41	43	43	43	43	42	43

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Energy Information Administration, Oil & Gas Journal

Cameroon

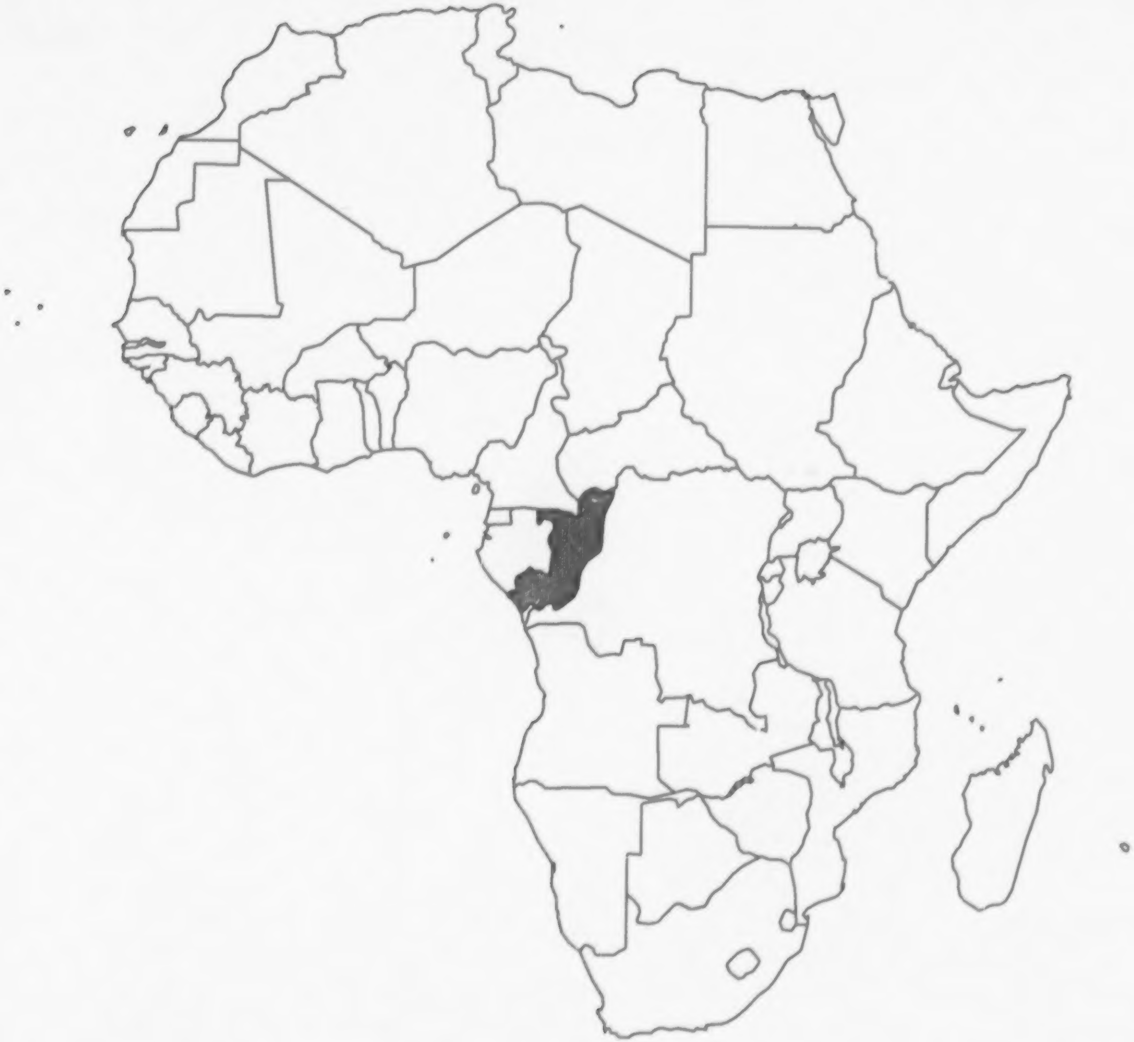
Crude Oil Production
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1978	5	8	10	10	10	10	10	10	10	10	10	10	9.4
1979	10	10	10	10	10	10	10	10	35	35	35	35	18.3
1980	55	55	55	55	55	55	46	46	46	65	79	92	58.7
1981	83	84	85	83	92	85	95	91	88	82	92	94	87.8
1982	96	97	97	97	107	110	107	116	118	122	122	119	109.0
1983	120	100	55	119	121	122	122	122	122	122	122	122	114.1
1984	125	125	126	133	131	135	128	79	124	128	131	137	125.2
1985	129	130	131	135	135	135	135	135	135	135	135	135	133.8
1986	185	180	180	180	180	180	180	180	180	180	180	180	180.4
1987	180	168	168	168	168	170	170	170	170	170	170	178	170.8
1988	174	173	175	181	182	179	181	175	175	175	180	180	177.5
1989	180	180	180	170	170	175	170	170	160	165	165	165	170.8
1990	165	165	165	165	170	170	164	158	170	160	160	160	164.3

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Congo

Size (Square Miles): 132,047
Location: Africa



Congo

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	1,178	1,208	1,238	1,269	1,302	1,338	1,380	1,424	1,471	1,521	1,574
GNP (Mill US Dollars)	260	267	313	404	512	564	737	714	727	823	1,103
GNP per Capita (US Dollars)	240	240	260	290	340	430	530	520	490	530	650
Consumer Price Index (1987=100)	24.1	24.5	25.5	28.0	28.9	30.5	35.8	38.4	43.8	48.4	52.3

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	1,630	1,688	1,748	1,809	1,873	1,938	2,004	2,071	2,139	2,208
GNP (Mill US Dollars)	1,541	1,844	1,990	1,923	1,993	1,931	1,627	2,042	1,913	2,008
GNP per Capita (US Dollars)	850	1,100	1,320	1,240	1,150	1,040	910	910	890	940
Consumer Price Index (1987=100)	56.1	65.6	74.1	79.8	90.0	95.5	97.8	100.0	103.7	108.0

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Congo

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs	(Number)	4	7	6	4	3	3	2	3	2	1	2
Well Completions	(Total)	38	37	53	35	39	9	32	35	23	10	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	400	660	1,300	1,550	400	480	650	720	720	710	830
Nat. Gas Reserves, Beginning of Year	(bcf)	2,200	2,000	2,500	2,700	2,150	2,118	2,470	2,500	2,470	2,440	2,580
Crude Oil Production	(000 b/d)	58	79	87	87	158	98	115	119	135	152	155
Nat. Gas Production	(bcf)	NA	NA	NA	0	0	1	1	0	0	0	0
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	NA	NA	NA	NA	21	21	21	21	21	21	21

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Congo

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	2	2	2	2	2	2	2	2	2	2	2	2	2
Offshore	5	5	5	5	5	5	5	5	5	5	5	5	5
Total	7	7	7	7	7	7	7	7	7	7	7	7	7
1982													
Land	2	2	2	2	3	0	1	1	1	1	1	1	1
Offshore	5	5	5	5	5	7	6	6	4	4	4	4	5
Total	7	7	7	7	8	7	7	7	5	5	5	5	6
1983													
Land	1	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	4	0	5	5	5	5	4	4	4	4	5	5	4
Total	5	0	5	5	5	5	4	4	4	4	5	5	4
1984													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	5	4	4	4	4	3	3	3	3	1	1	1	3
Total	5	4	4	4	4	3	3	3	3	1	1	1	3
1985													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	1	4	4	4	3	1	2	2	2	2	2	3	3
Total	1	4	4	4	3	1	2	2	2	2	2	3	3
1986													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	3	3	3	3	0	1	2	2	2	2	2	4	2
Total	3	3	3	3	0	1	2	2	2	2	2	4	2
1987													
Land	0	0	0	0	0	0	0	0	0	0	0	1	0
Offshore	4	4	2	3	3	3	3	3	2	2	3	1	3
Total	4	4	2	3	3	3	3	3	2	2	3	2	3
1988													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	2	2	1	1	2	3	3	3	1	1	3	2	2
Total	2	2	1	1	2	3	3	3	1	1	3	2	2
1989													
Land	0	0	0	0	0	0	0	0	0	2	0	0	0
Offshore	2	2	0	0	0	0	0	0	1	0	4	3	1
Total	2	2	0	0	0	0	0	0	1	2	4	3	1
1990													
Land	0	0	0	0	1	2	1	0	0	0	0	0	0
Offshore	2	2	0	1	2	3	2	2	1	1	3	3	2
Total	2	2	0	1	3	5	3	2	1	1	3	3	2

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Congo

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	1	1	1	1	1	1	1	1	1	1	1	1	0.5
1971	1	1	1	1	1	1	1	1	1	1	1	1	0.5
1972	1	1	1	1	8	8	8	8	8	8	8	8	5.2
1973	9	9	30	43	47	48	45	45	45	50	50	50	39.2
1974	35	35	35	34	37	37	37	40	35	35	35	35	35.8
1975	35	35	30	30	40	40	35	38	38	38	38	38	36.3
1976	38	40	40	40	40	40	40	40	40	40	40	40	39.8
1977	40	40	40	35	35	35	35	33	33	33	33	33	35.4
1978	33	33	33	33	33	33	33	33	33	33	33	33	33.0
1979	10	10	10	52	52	52	52	52	57	57	57	57	43.2
1980	57	57	57	57	57	55	55	55	55	55	55	80	57.9
1981	77	77	77	77	77	77	80	80	80	80	80	80	78.5
1982	87	87	87	87	87	87	87	87	87	87	87	87	87.0
1983	87	87	87	87	87	87	87	87	87	87	87	87	87.0
1984	90	90	90	900	90	90	90	90	90	90	90	90	157.5
1985	90	90	90	90	90	90	90	100	100	115	115	115	97.9
1986	115	115	115	115	115	115	115	115	115	115	115	115	115.0
1987	115	114	114	114	114	118	118	120	120	121	120	136	118.7
1988	134	134	133	133	136	137	136	136	135	135	135	135	134.9
1989	135	150	150	160	151	152	150	158	151	150	155	160	151.8
1990	161	160	160	160	160	160	160	146	155	120	160	160	155.2

Natural Gas
Billion Cubic Feet

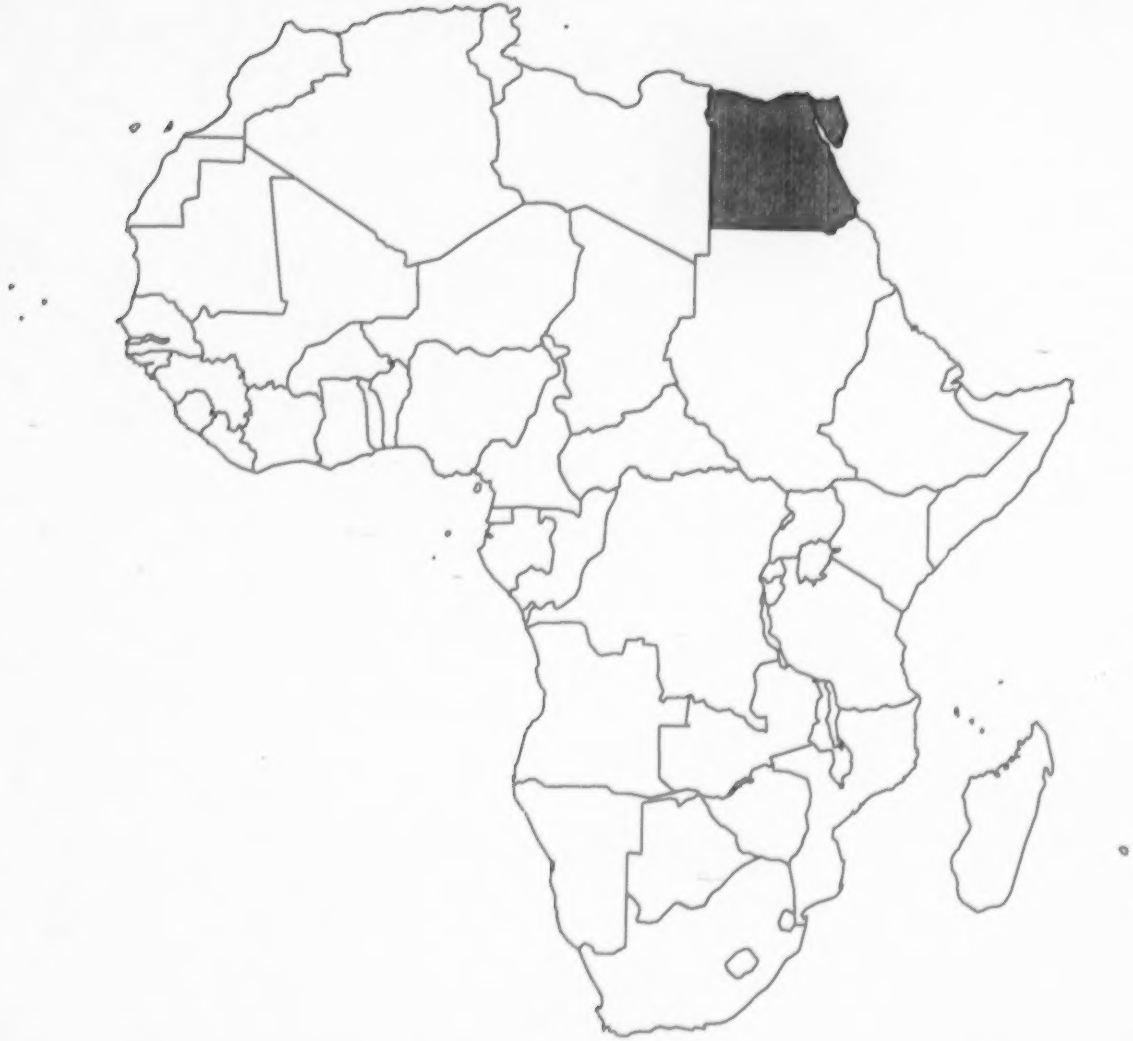
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976	NA	NA	NA	NA	NA	0.2	0.4	0.5	0.5	0.5	0.5	0.5	3.1
1977	0.3	0.3	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.4	1.6	1.0	7.1
1978	1.1	1.2	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	3.9
1979	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1980	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1981	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1982	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
1985	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1986	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	1.1
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Notes

Egypt

Size (Square Miles): 386,662
Location: Africa



Egypt

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	32,368	33,053	33,655	34,264	34,898	35,569	36,289	37,067	37,911	38,819	39,781
GNP (Mill US Dollars)	6,851	7,583	8,236	8,623	9,393	8,921	11,102	13,110	14,214	14,179	17,081
GNP per Capita (US Dollars)	210	230	250	260	280	280	320	360	410	410	440
Consumer Price Index (1987=100)	13.8	14.3	14.7	15.0	15.8	17.4	19.1	21.1	23.7	26.4	29.0

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	40,792	41,852	42,958	44,105	45,287	46,497	47,713	48,935	50,161	51,390
GNP (Mill US Dollars)	21,453	21,741	23,867	26,229	28,586	31,245	32,037	32,112	28,269	30,634
GNP per Capita (US Dollars)	500	550	600	620	640	660	670	690	660	630
Consumer Price Index (1987=100)	35.0	38.6	44.3	51.4	60.2	67.4	83.5	100.0	117.7	142.7

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Egypt

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Hydroelectric Power	Primary Energy
1980	0.55	0.03	0.10	0.72
1981	0.63	0.06	0.11	0.83
1982	0.68	0.10	0.11	0.92
1983	0.80	0.12	0.10	1.04
1984	0.87	0.15	0.10	1.14
1985	0.92	0.18	0.08	1.21
1986	0.92	0.21	0.08	1.24
1987	0.94	0.23	0.06	1.27
1988	0.93	0.26	0.06	1.28
1989	1.00	0.27	0.06	1.36

Production

	Petroleum	Natural Gas	Hydroelectric Power	Primary Energy
1973	0.36	NA	0.05	0.41
1974	0.32	NA	0.06	0.39
1975	0.51	*	0.07	0.58
1976	0.72	0.01	0.08	0.82
1977	0.92	0.04	0.09	1.05
1978	1.08	0.04	0.10	1.21
1979	1.17	0.04	0.10	1.31
1980	1.32	0.03	0.10	1.45
1981	1.32	0.05	0.11	1.48
1982	1.49	0.10	0.11	1.69
1983	1.62	0.12	0.10	1.84
1984	1.83	0.15	0.10	2.08
1985	1.97	0.18	0.08	2.23
1986	1.80	0.21	0.08	2.09
1987	1.99	0.23	0.06	2.28
1988	1.90	0.26	0.06	2.22
1989	1.93	0.26	0.06	2.26

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Egypt

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	26	27	36	35	36	37	33	23	21	18	15
Well Completions	(Total)	83	113	132	136	158	184	172	130	152	114	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	3,100	2,900	2,930	3,325	3,450	3,200	3,850	3,600	4,300	4,300	4,500
Nat. Gas Reserves, Beginning of Year	(bcf)	3,000	2,970	2,960	7,180	7,100	7,000	7,060	8,900	10,240	11,470	11,720
Crude Oil Production	(000 b/d)	595	598	668	727	785	892	810	898	848	855	874
Nat. Gas Production	(bcf)	31	29	66	103	108	132	158	195	197	226	240
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	234	292	292	341	369	369	434	452	452	489	489
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	43	48	33	38	41	65	47	49	51	NA	NA
Middle Distillate Demand	(000 b/d)	44	48	65	73	77	85	80	87	80	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	98	117	124	137	163	175	186	181	186	NA	NA
Total Product Demand	(000 b/d)	247	276	313	339	384	450	428	442	437	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	310	199	370	389	450	475	380	450	425	NA	NA
Pet Product Exports	(000 b/d)	30	9	25	19	23	21	30	42	46	NA	NA
Total Pet Exports	(000 b/d)	340	208	395	408	473	496	410	492	471	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	1	2	25	39	31	29	30	26	24	NA	NA
Total Pet Imports	(000 b/d)	1	2	25	39	31	29	30	26	24	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(310)	(199)	(370)	(389)	(450)	(475)	(380)	(450)	(425)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(29)	(7)	0	20	8	8	0	(16)	(22)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(339)	(206)	(370)	(369)	(442)	(467)	(380)	(466)	(447)	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Egypt

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	11	9	9	9	11	11	11	11	8	11	11	11	10
Offshore	16	13	13	13	16	16	16	16	19	19	19	19	16
Total	27	22	22	22	27	27	27	27	27	30	30	30	26
1982													
Land	11	11	10	10	13	14	14	14	14	18	18	18	14
Offshore	19	19	22	22	23	25	25	25	25	22	21	21	22
Total	30	30	32	32	36	39	39	39	39	40	39	39	36
1983													
Land	18	18	14	16	16	16	14	17	17	17	12	15	16
Offshore	22	22	21	22	22	22	17	13	13	13	20	23	19
Total	40	40	35	38	38	38	31	30	30	30	32	38	35
1984													
Land	15	18	19	18	16	16	16	14	14	14	14	14	16
Offshore	23	25	23	20	19	19	19	21	20	20	20	20	21
Total	38	43	42	38	35	35	35	35	34	34	34	34	37
1985													
Land	14	14	14	12	16	18	18	18	18	18	17	17	16
Offshore	20	20	20	19	19	20	20	20	20	20	24	24	21
Total	34	34	34	31	35	38	38	38	38	38	41	41	37
1986													
Land	17	22	22	25	25	20	14	14	12	10	12	14	17
Offshore	24	23	23	14	14	14	14	12	10	11	15	16	16
Total	41	45	45	39	39	34	28	26	22	21	27	30	33
1987													
Land	15	15	15	17	17	16	15	15	14	7	8	11	14
Offshore	10	10	10	9	9	9	4	6	8	8	9	13	9
Total	25	25	25	26	26	25	19	21	22	15	17	24	23
1988													
Land	11	13	13	14	9	10	11	9	9	8	11	8	11
Offshore	10	8	10	13	11	8	7	9	12	9	11	15	10
Total	21	21	23	27	20	18	18	18	21	17	22	23	21
1989													
Land	7	6	6	8	8	9	11	7	5	6	4	4	7
Offshore	16	14	12	10	9	12	13	11	10	11	10	10	12
Total	23	20	18	18	17	21	24	18	15	17	14	14	19
1990													
Land	6	8	6	7	8	9	6	6	5	5	5	6	6
Offshore	11	10	9	9	9	10	7	9	10	7	9	8	9
Total	17	18	15	16	17	19	13	15	15	12	14	14	15

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Egypt

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	264	279	310	345	312	329	300	379	380	358	337	321	326.2
1971	320	315	320	326	305	330	302	305	289	273	259	248	299.3
1972	226	212	210	220	204	233	223	225	225	215	207	202	216.7
1973	202	200	206	216	216	210	235	235	235	60	30	30	172.9
1974	80	80	110	100	150	160	160	170	172	175	175	175	142.3
1975	175	175	175	175	190	190	230	232	230	230	270	300	214.3
1976	320	311	315	315	315	315	325	330	340	340	340	340	325.5
1977	350	350	385	424	435	445	445	445	437	427	430	430	416.9
1978	440	450	475	480	480	480	500	500	500	500	500	500	483.8
1979	500	500	500	496	484	485	485	490	500	500	540	600	506.7
1980	551	582	598	600	600	600	600	575	575	605	625	625	594.7
1981	580	580	625	595	570	560	555	590	635	635	625	630	598.3
1982	648	648	648	660	660	660	670	665	655	675	700	725	667.8
1983	730	740	740	755	755	770	695	708	710	715	690	710	726.5
1984	715	735	735	735	735	750	735	740	869	875	895	900	784.9
1985	890	925	935	915	857	887	890	905	875	860	860	900	891.6
1986	860	750	798	760	845	753	583	781	921	799	938	935	810.3
1987	901	887	847	926	915	900	926	900	900	902	876	900	898.3
1988	882	848	861	849	826	839	845	847	846	819	842	873	848.1
1989	865	865	835	851	851	855	850	859	855	855	853	860	854.5
1990	857	860	871	860	850	876	882	879	880	888	890	890	873.6

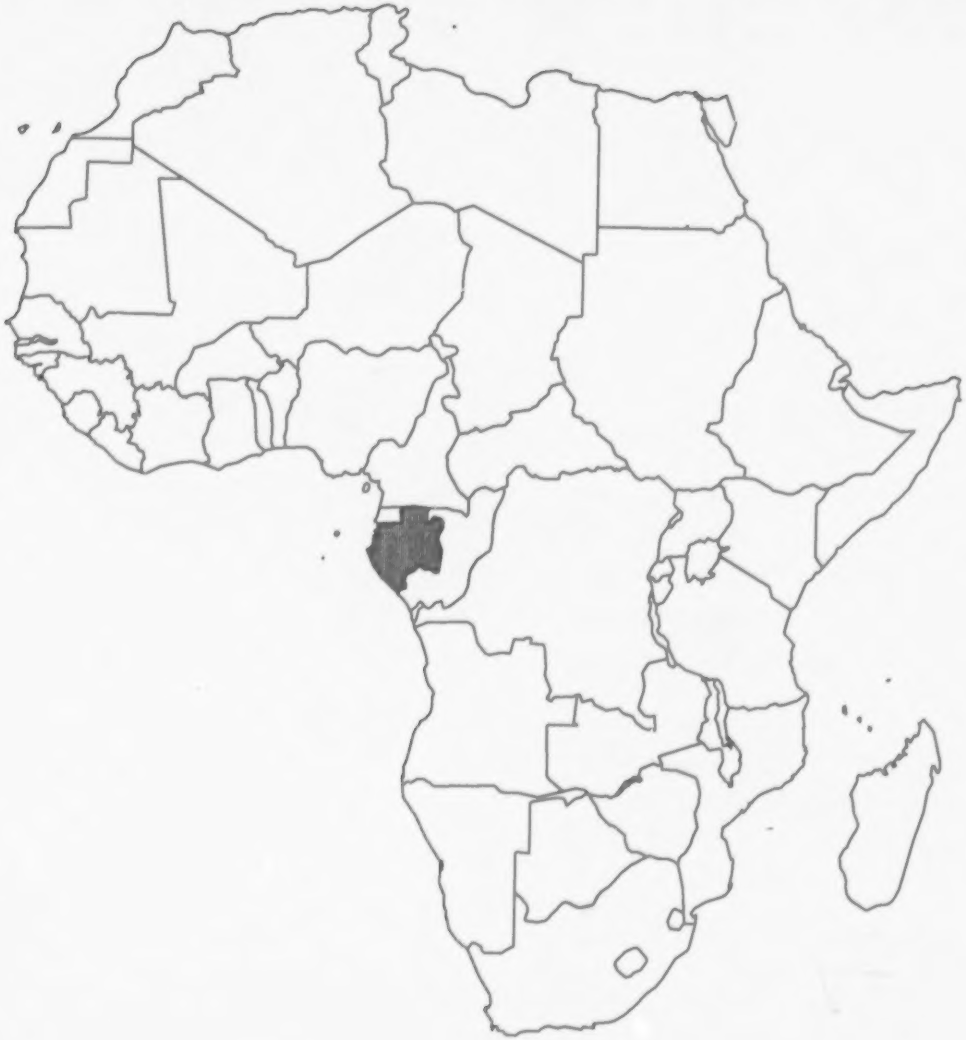
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976	NA	NA	NA	NA	NA	3.2	4.0	3.9	9.1	10.0	9.4	9.4	49.0
1977	8.2	10.0	9.8	9.0	9.0	5.4	6.1	7.4	6.9	7.0	7.1	7.1	93.0
1978	7.1	7.0	6.8	7.0	6.8	7.0	7.1	7.0	13.0	13.0	12.0	11.8	105.6
1979	12.0	10.0	10.0	10.0	10.0	9.9	10.0	10.0	2.1	2.4	2.0	2.0	90.4
1980	2.0	2.0	2.0	1.8	1.8	3.4	3.0	3.0	3.0	3.0	3.0	3.0	31.0
1981	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	29.0
1982	3.0	2.9	3.2	3.1	3.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	65.8
1983	8.7	8.2	8.7	8.4	8.7	8.4	8.7	8.7	8.4	8.7	8.4	9.0	103.0
1984	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	108.0
1985	9.0	9.0	9.0	9.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	132.0
1986	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	16.5	16.5	16.5	157.5
1987	16.5	14.9	16.5	16.0	16.5	16.0	16.5	16.5	16.2	16.7	16.2	16.7	135.2
1988	16.7	15.6	16.7	16.2	16.7	16.2	16.7	16.7	16.2	16.7	16.2	16.7	197.3
1989	16.7	15.1	16.7	16.2	20.4	19.7	20.4	20.4	19.7	20.4	19.7	20.4	225.8
1990	20.4	18.4	20.4	19.7	20.4	19.7	20.4	20.4	19.7	20.4	19.7	20.4	240.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Gabon

Size (Square Miles): 103,347
Location: Africa



Gabon

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	493	504	525	550	578	607	637	668	698	728	761
GNP (Mill US Dollars)	296	306	355	402	666	1,419	2,004	2,830	2,658	2,163	2,669
GNP per Capita (US Dollars)	620	660	690	740	890	1,660	2,730	4,170	3,800	2,870	3,190
Consumer Price Index (1987=100)	19.1	19.8	20.5	21.3	22.6	25.3	32.5	39.0	44.4	49.2	53.1

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	797	835	875	916	957	997	1,023	1,050	1,077	1,105
GNP (Mill US Dollars)	3,856	3,534	3,305	3,096	3,291	3,420	3,221	3,153	2,957	3,119
GNP per Capita (US Dollars)	3,900	4,260	4,370	3,830	3,580	3,560	3,630	2,890	2,780	2,960
Consumer Price Index (1987=100)	59.7	64.9	75.7	83.6	88.5	95.0	101.0	100.0	90.2	96.5

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Gabon

Energy Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Petroleum Production	(Quad BTU)	0.38	0.32	0.34	0.34	0.34	0.37	0.36	0.33	0.34	0.47	NA
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	8	13	12	7	6	7	3	3	5	6	5
Well Completions	(Total)	40	61	56	51	43	46	21	31	43	52	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	500	450	480	460	490	510	520	645	645	720	733
Nat. Gas Reserves, Beginning of Year	(bcf)	500	500	490	485	500	550	420	500	600	600	560
Crude Oil Production	(000 b/d)	178	151	141	148	150	153	159	157	167	213	273
Nat. Gas Production	(bcf)	7	4	4	5	5	8	2	2	2	3	4
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	20	20	20	20	20	20	23	16	23	24	24
Exports & Imports												
Crude Oil Exports	(000 b/d)	151	126	129	137	139	159	150	145	148	NA	NA
Pet Product Exports	(000 b/d)	17	16	11	6	1	3	2	1	2	NA	NA
Total Pet Exports	(000 b/d)	168	142	140	143	140	162	152	146	150	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	6	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	5	3	*	1	1	1	1	*	2	NA	NA
Total Pet Imports	(000 b/d)	5	3	0	1	7	1	1	0	2	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(151)	(126)	(129)	(137)	(133)	(159)	(150)	(145)	(148)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(12)	(13)	(11)	(5)	0	(2)	(1)	(1)	0	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(163)	(139)	(140)	(142)	(133)	(161)	(151)	(146)	(148)	NA	NA

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Gabon

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	2	2	2	2	5	5	5	5	4	4	4	4	4
Offshore	10	10	10	10	8	8	8	8	11	11	11	11	10
Total	12	12	12	12	13	13	13	13	15	15	15	15	14
1982													
Land	4	4	4	4	4	2	2	2	2	2	2	2	3
Offshore	11	11	11	11	8	10	9	9	8	8	8	8	9
Total	15	15	15	15	12	12	11	11	10	10	10	10	12
1983													
Land	2	1	1	1	0	0	0	0	0	0	0	0	0
Offshore	8	8	8	5	8	8	7	6	6	6	6	6	7
Total	10	9	9	6	8	8	7	6	6	6	6	6	7
1984													
Land	0	1	1	1	1	1	1	1	1	1	1	1	1
Offshore	6	8	7	5	5	5	5	5	5	5	5	5	6
Total	6	9	8	6	6	6	6	6	6	6	6	6	7
1985													
Land	1	1	1	1	1	1	1	1	1	1	1	1	1
Offshore	6	7	6	6	6	6	4	6	6	6	6	6	6
Total	7	8	7	7	7	7	5	7	7	7	7	7	7
1986													
Land	1	1	1	1	1	1	1	1	1	0	0	0	1
Offshore	6	6	5	3	2	2	2	1	0	0	0	0	2
Total	7	7	6	4	3	3	3	2	1	0	0	0	3
1987													
Land	0	0	0	0	0	0	0	0	0	0	0	1	0
Offshore	1	1	1	2	2	2	3	3	6	6	4	2	3
Total	1	1	1	2	2	2	3	3	6	6	4	3	3
1988													
Land	1	1	2	2	2	2	3	4	3	4	4	4	3
Offshore	1	1	2	1	1	2	3	4	3	4	3	4	2
Total	2	2	4	3	3	4	6	8	6	8	7	8	5
1989													
Land	4	5	4	3	3	3	3	2	2	1	2	2	3
Offshore	4	4	3	4	1	1	4	4	2	2	4	4	3
Total	8	9	7	7	4	4	7	6	4	3	6	6	6
1990													
Land	4	3	2	3	2	1	2	2	2	9	4	4	3
Offshore	3	2	5	4	2	2	2	0	0	0	1	1	2
Total	7	5	7	7	4	3	4	2	2	9	5	5	5

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Gabon

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	110	110	80	90	105	105	105	110	110	105	110	110	104.2
1971	120	120	120	120	120	120	110	90	115	115	116	116	115.2
1972	95	95	95	95	95	125	125	135	136	136	104	140	114.7
1973	140	100	160	172	148	148	154	155	155	160	160	160	151.0
1974	156	160	165	176	160	160	160	210	190	190	190	190	175.6
1975	190	195	195	210	210	210	195	195	200	200	200	200	200.0
1976	200	215	215	200	200	200	220	220	220	220	220	220	212.5
1977	225	225	225	225	225	225	220	220	225	225	225	225	224.2
1978	225	225	225	225	225	225	225	225	225	225	225	225	225.0
1979	225	225	225	225	225	225	225	210	199	200	200	200	215.3
1980	180	180	180	180	180	180	180	180	180	180	180	158	178.2
1981	153	142	141	145	146	146	154	151	158	157	158	159	150.8
1982	140	140	140	140	150	140	140	140	140	140	140	140	140.8
1983	130	150	150	150	150	150	150	150	150	150	150	150	148.3
1984	150	150	150	150	150	150	150	150	150	150	150	150	150.0
1985	150	150	150	150	150	150	150	150	150	160	160	160	152.5
1986	160	160	160	160	160	160	170	170	151	137	160	160	159.0
1987	152	152	152	152	152	152	159	160	160	160	167	170	157.3
1988	160	160	155	160	160	160	165	160	180	180	180	185	167.1
1989	180	200	190	185	205	195	215	220	230	240	250	250	213.3
1990	260	260	265	270	230	270	270	270	285	300	300	300	273.3

Natural Gas
Billion Cubic Feet

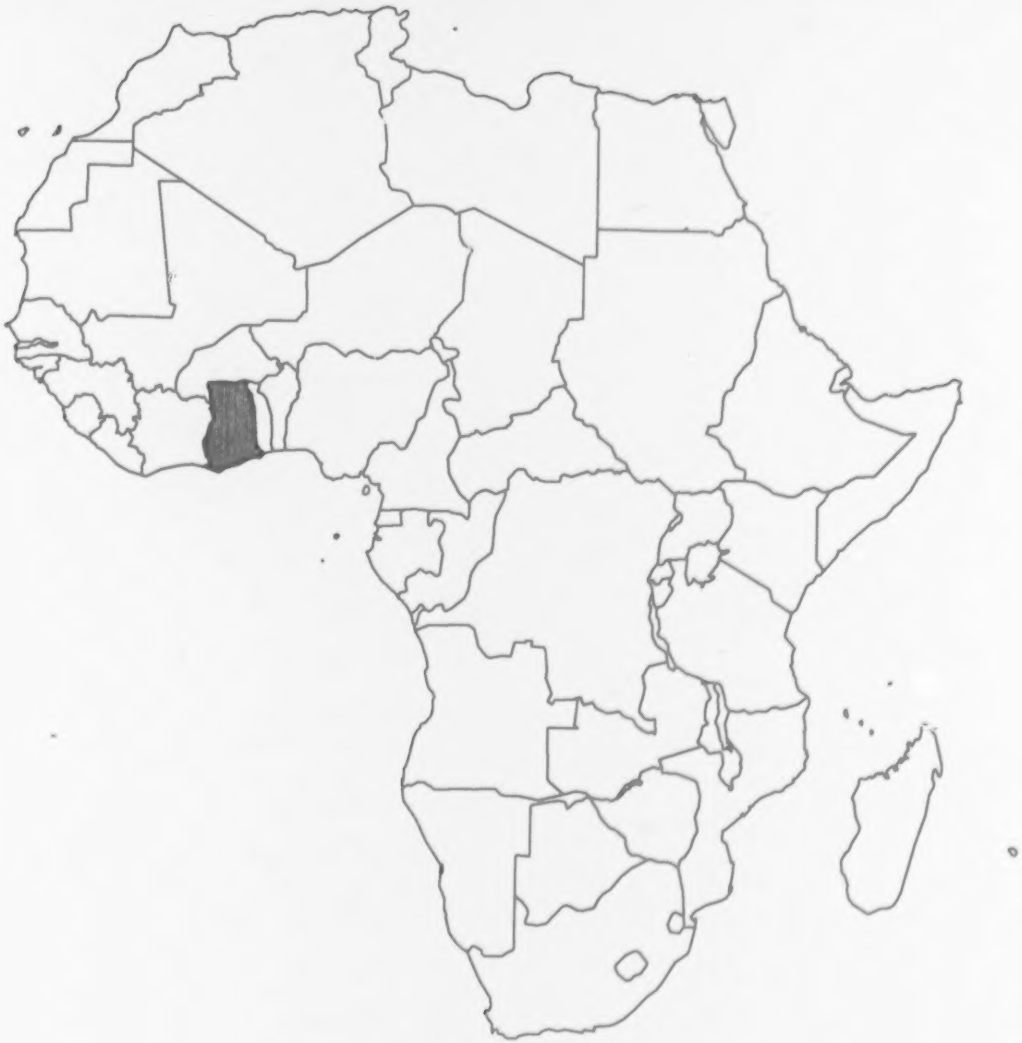
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976	NA	NA	NA	NA	NA	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.8
1977	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.5	0.4	2.9
1978	0.4	0.4	0.4	0.5	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	2.9
1979	0.1	0.1	0.2	0.1	0.2	0.2	0.5	0.5	0.2	0.5	0.5	0.4	3.5
1980	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	7.1
1981	0.7	0.7	0.7	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
1982	0.0	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.4	0.4	3.8
1983	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	4.8
1984	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	4.8
1985	0.4	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.2	8.1
1986	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.4
1987	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.4
1988	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.4
1989	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.2
1990	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.6

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Notes

Ghana

Size (Square Miles): 92,098
Location: Africa



Ghana

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	8,424	8,614	8,877	9,138	9,388	9,621	9,835	10,023	10,177	10,322	10,501
GNP (Mill US Dollars)	1,914	2,171	2,383	2,089	2,996	4,025	4,557	5.633	9,672	11,897	10,227
GNP per Capita (US Dollars)	230	250	270	250	260	290	280	280	300	350	380
Consumer Price Index (1987=100)	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.7	1.6	2.7	4.2

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	10,740	11,030	11,366	11,747	12,168	12,620	13,073	13,526	13,977	14,425
GNP (Mill US Dollars)	15,516	26,329	31,355	20,657	7,416	6,203	5,592	4,715	5,097	5,134
GNP per Capita (US Dollars)	410	410	380	350	370	370	390	390	400	390
Consumer Price Index (1987=100)	6.3	13.7	16.7	37.3	52.1	57.4	71.5	100.0	131.4	164.5

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Ghana

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Well Completions	(Total)	1	3	1	NA	2	3	2	11	NA	3	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	7	6	2	5	4	4	4	2	1	1	1
Nat. Gas Reserves, Beginning of Year	(bcf)	NA	NA	NA	NA	4	4	4	NA	NA	NA	NA
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	26	26	27	27	28	28	28	28	28	27	27

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Oil & Gas Journal

Ghana

Selected Petroleum Prices
January 1
US Dollars

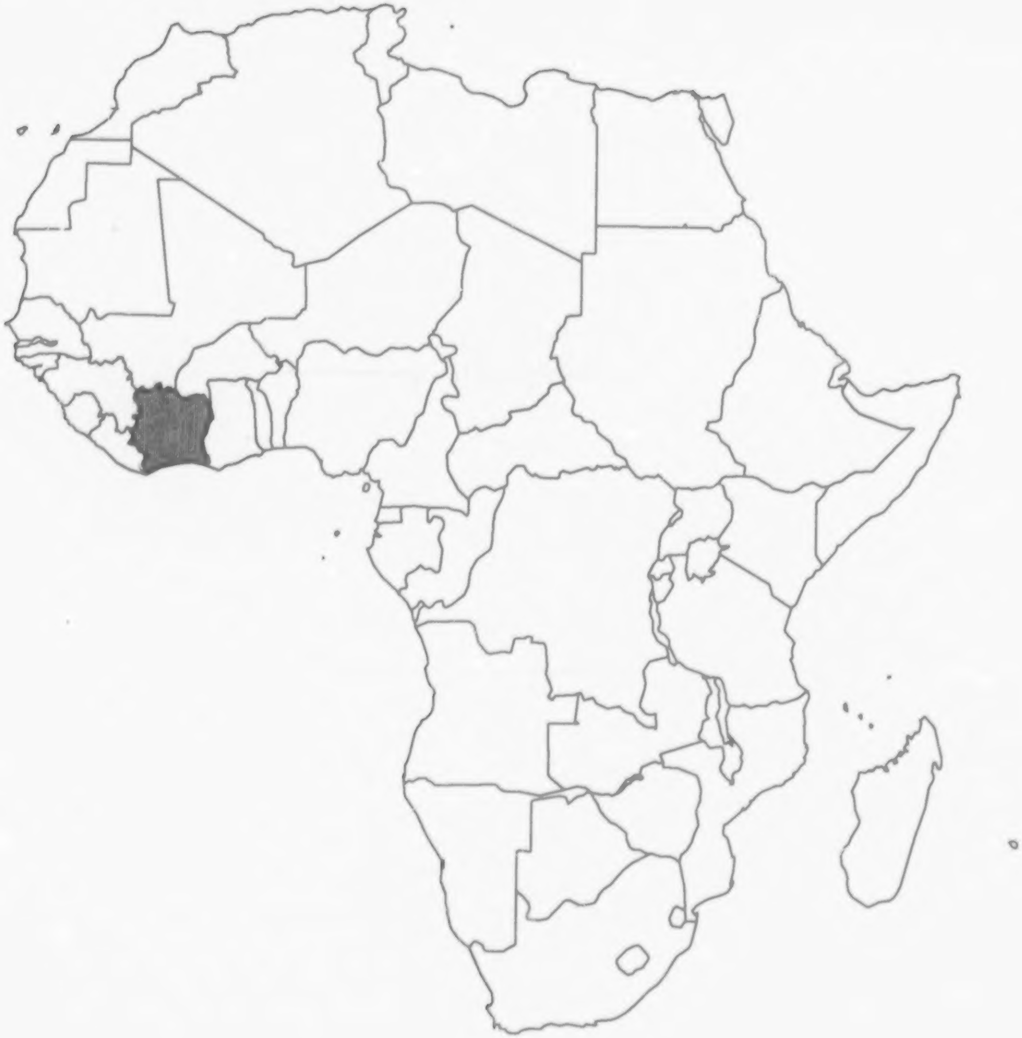
	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	3.42	1.97	1.67	0.63	NA	43.39
1982	3.72	2.57	1.51	1.32	NA	43.39
1983	3.73	2.57	1.51	1.32	NA	43.39
1984	0.97	0.67	0.56	0.57	NA	21.68
1985	1.42	0.98	0.62	0.38	NA	29.73
1986	1.08	0.88	0.57	0.46	22.98	20.31
1987	NA	NA	NA	NA	NA	NA
1988	1.11	1.06	0.80	0.77	23.96	22.95
1989	1.22	1.17	0.89	0.59	22.09	18.33
1990	0.76	0.69	0.52	0.60	22.04	18.36

+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Ivory Coast

Size (Square Miles): 123,847
Location: Africa



Ivory Coast

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Energy Consumption												
Petroleum Consumption	(Quad BTU)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.08	NA
Exploration, Drilling & Production												
Well Completions	(Total)	8	20	26	8	7	4	NA	NA	1	1	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	NA	50	314	111	108	108	125	125	120	120	100
Nat. Gas Reserves, Beginning of Year	(bcf)	NA	NA	37	3,040	3,020	3,000	2,118	3,400	3,530	3,530	3,530
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	50	50	50	90	90	90	90	73	60	60	69
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	NA	NA	NA	NA	5	8	5	7	10	NA	NA
Middle Distillate Demand	(000 b/d)	NA	NA	NA	NA	10	9	7	9	9	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	NA	NA	NA	NA	8	8	8	8	10	NA	NA
Total Product Demand	(000 b/d)	NA	NA	NA	NA	29	38	31	35	37	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Energy Information Administration, Oil & Gas Journal

Ivory Coast

Crude Oil Production
Thousand Barrels per Day

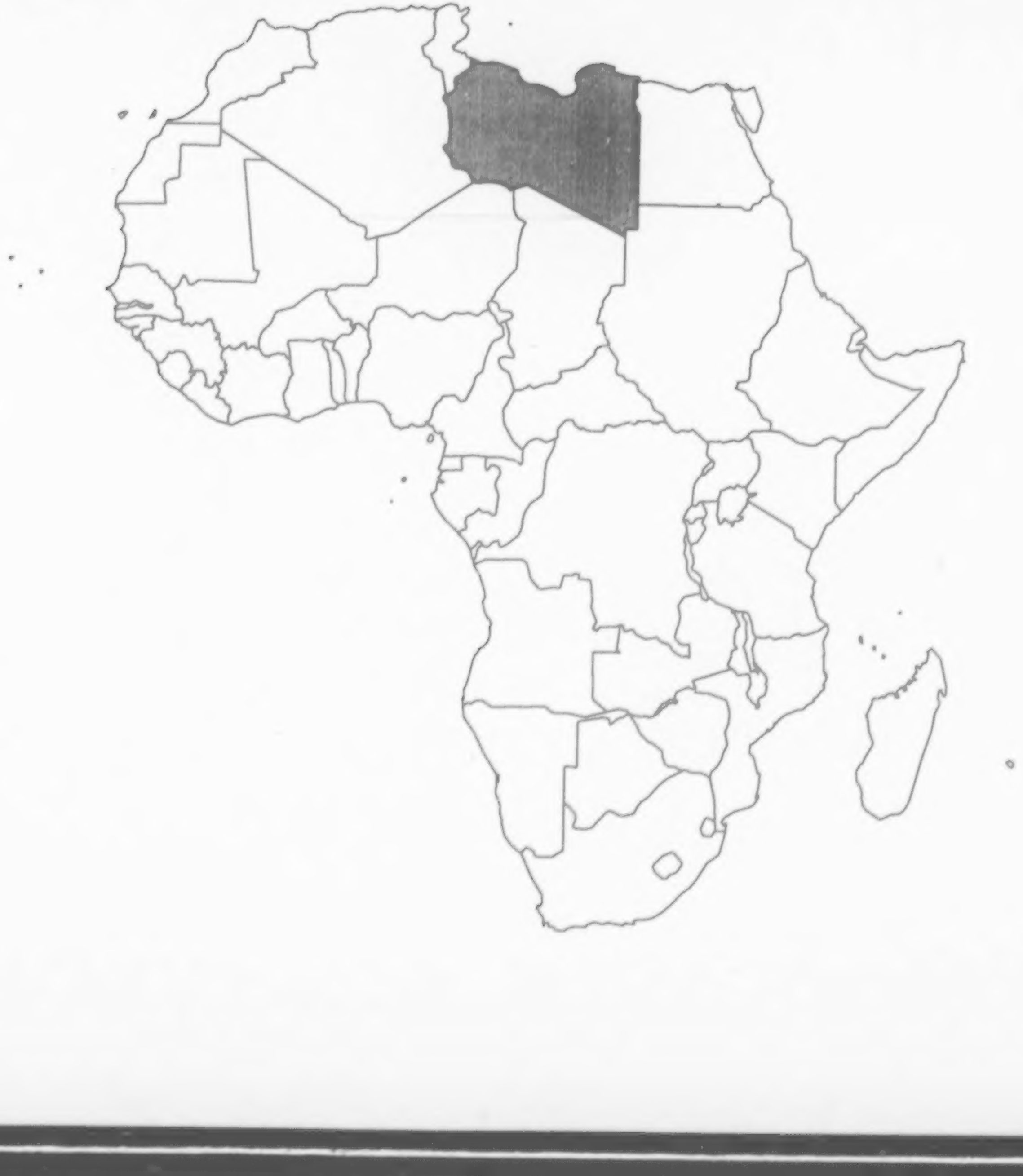
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	NA	NA	NA	NA	NA	NA	NA	NA	1	2	3	6	1.0
1981	3	5	5	6	6	6	6	6	1	6	6	6	5.2
1982	6	6	6	6	6	6	6	6	6	5	5	5	5.8
1983	4	20	25	25	25	25	25	25	25	24	25	25	22.8
1984	27	27	27	27	27	27	27	27	27	27	27	27	27.0
1985	28	28	28	28	28	28	28	28	28	28	28	28	28.0
1986	20	20	20	20	20	20	20	20	20	20	20	20	20.0
1987	20	20	20	20	20	17	15	18	18	14	14	14	17.5
1988	14	13	13	13	12	13	12	13	13	13	3	3	11.3
1989	11	11	3	3	2	2	2	2	2	2	2	2	3.7
1990	2	2	2	2	2	2	2	2	2	2	2	2	2.0

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Notes

Libya

Size (Square Miles): 679,362
Location: Africa



Libya

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	1,906	1,986	2,069	2,155	2,247	2,344	2,446	2,554	2,666	2,785	2,910
GNP (Mill US Dollars)	3,320	3,499	4,081	5,341	7,175	13,034	12,605	16,333	18,010	17,920	25,316
GNP per Capita (US Dollars)	1,810	1,870	1,840	1,980	2,450	3,210	4,640	6,920	6,790	7,000	8,490

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	3,043	3,182	3,327	3,476	3,630	3,786	3,942	4,095	4,245	4,395
GNP (Mill US Dollars)	35,013	31,263	28,414	27,691	24,521	23,388	20,279	23,863	23,514	NA
GNP per Capita (US Dollars)	9,740	9,280	9,260	8,590	7,230	6,560	5,500	5,340	5,410	NA

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Libya

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Primary Energy
1980	0.21	0.06	0.27
1981	0.24	0.12	0.36
1982	0.26	0.09	0.35
1983	0.26	0.12	0.38
1984	0.26	0.13	0.38
1985	0.27	0.15	0.42
1986	0.27	0.18	0.44
1987	0.28	0.17	0.45
1988	0.30	0.16	0.46
1989	0.32	0.17	0.48

Production

	Petroleum	Natural Gas	Primary Energy
1973	4.61	0.11	4.72
1974	3.22	0.10	3.32
1975	3.15	0.12	3.27
1976	4.12	0.14	4.26
1977	4.38	0.14	4.53
1978	4.21	0.19	4.40
1979	4.44	0.19	4.63
1980	3.84	0.19	4.03
1981	2.46	0.12	2.57
1982	2.48	0.13	2.61
1983	2.38	0.15	2.52
1984	2.36	0.17	2.53
1985	2.27	0.19	2.46
1986	2.23	0.21	2.43
1987	2.10	0.20	2.29
1988	2.53	0.20	2.73
1989	2.45	0.21	2.67

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Libya

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	41	33	31	24	26	30	20	12	16	17	15
Well Completions	**(Total)**	192	157	110	NA	99	NA	41	41	74	87	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	23,500	23,000	22,600	21,500	21,270	21,100	21,300	21,300	21,000	22,000	22,800
Nat. Gas Reserves, Beginning of Year	**(bcf)**	24,000	23,800	23,200	21,500	21,350	21,200	21,390	21,180	25,700	25,700	25,500
Crude Oil Production	**(000 b/d)**	1,708	1,108	1,200	1,018	1,092	1,048	1,037	1,094	1,025	1,129	1,357
Nat. Gas Production	**(bcf)**	133	675	204	99	150	158	166	201	198	182	203
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	138	142	130	130	125	330	330	329	329	329	329
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	NA	NA	NA	NA	25	28	25	26	28	NA	NA
Middle Distillate Demand	**(000 b/d)**	NA	NA	NA	NA	45	32	33	41	47	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	NA	NA	NA	NA	35	47	45	41	40	NA	NA
Total Product Demand	**(000 b/d)**	NA	NA	NA	NA	120	128	125	134	142	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	1,691	1,060	1,080	1,037	1,018	961	965	765	950	NA	NA
Pet Product Exports	**(000 b/d)**	85	27	21	20	19	20	50	125	135	NA	NA
Total Pet Exports	**(000 b/d)**	1,776	1,087	1,101	1,057	1,037	981	1,015	890	1,085	NA	NA
Crude Oil Imports	**(000 b/d)**	0	0	0	0	0	0	0	*	*	NA	NA
Pet Product Imports	**(000 b/d)**	35	13	33	34	33	17	23	18	22	NA	NA
Total Pet Imports	**(000 b/d)**	35	13	33	34	33	17	23	18	22	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	(1,691)	(1,060)	(1,080)	(1,037)	(1,018)	(961)	(965)	(765)	(950)	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	(50)	(14)	12	14	14	(3)	(27)	(107)	(113)	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	(1,741)	(1,074)	(1,068)	(1,023)	(1,004)	(964)	(992)	(872)	(1,063)	NA	NA
Natural Gas Exports	**(bcf)**	128	31	34	28	40	37	30	28	39	NA	NA
Natural Gas Imports	**(bcf)**	0	0	0	0	0	0	0	0	0	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Libya

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	33	31	31	31	31	31	31	31	31	31	31	31	31
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	35	33	33	33	33	33	33	33	33	33	33	33	33
1982													
Land	31	31	31	31	31	31	27	27	27	27	27	27	29
Offshore	2	2	2	2	2	2	1	1	1	1	1	1	2
Total	33	33	33	33	33	33	28	28	28	28	28	28	31
1983													
Land	21	21	21	21	18	18	25	25	25	25	25	26	23
Offshore	2	2	2	2	1	1	2	2	2	2	2	2	2
Total	23	23	23	23	19	19	27	27	27	27	27	28	25
1984													
Land	26	26	27	23	23	23	23	23	22	25	25	25	24
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	28	28	29	25	25	25	25	25	24	27	27	27	26
1985													
Land	25	27	25	25	29	29	29	29	29	29	29	34	28
Offshore	2	2	2	2	2	2	2	2	2	2	2	0	2
Total	27	29	27	27	31	31	31	31	31	31	31	34	30
1986													
Land	32	32	26	22	18	18	17	17	18	18	12	12	20
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	32	32	26	22	18	18	17	17	18	18	12	12	20
1987													
Land	11	11	10	11	10	11	13	13	13	13	16	13	12
Offshore	0	0	0	0	0	0	0	0	0	0	0	2	0
Total	11	11	10	11	10	11	13	13	13	13	16	15	12
1988													
Land	15	15	13	13	16	13	13	13	12	12	13	16	14
Offshore	1	1	2	2	3	3	3	3	2	2	3	4	2
Total	16	16	15	15	19	16	16	16	14	14	16	20	16
1989													
Land	16	16	13	14	14	14	12	12	11	11	11	11	13
Offshore	4	4	4	4	4	4	4	4	4	4	4	4	4
Total	20	20	17	18	18	18	16	16	15	15	15	15	17
1990													
Land	11	11	12	12	12	12	12	12	12	12	12	12	12
Offshore	4	4	3	3	3	3	3	3	3	3	3	3	3
Total	15	15	15	15	15	15	15	15	15	15	15	15	15

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Libya

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	3,597	3,610	3,579	3,673	3,571	3,261	3,190	3,008	2,995	3,028	3,178	3,189	3,323.3
1971	3,166	3,081	2,988	2,904	2,909	2,744	2,611	2,561	2,599	2,496	2,642	2,467	2,763.9
1972	2,455	2,468	2,426	2,260	2,120	2,077	2,031	2,094	2,133	2,135	2,177	2,215	2,215.9
1973	2,306	2,263	2,300	2,331	2,264	2,289	2,189	2,108	2,286	2,384	1,766	1,769	2,187.9
1974	2,032	1,945	1,882	1,734	1,950	1,775	1,583	1,273	1,325	1,069	961	975	1,542.0
1975	970	908	942	1,087	1,290	1,517	2,098	2,092	1,790	1,650	1,787	1,846	1,498.1
1976	1,732	1,812	1,836	1,904	1,940	1,963	1,971	1,995	1,990	1,969	1,868	2,002	1,915.2
1977	2,022	2,056	2,052	2,112	2,121	2,076	1,881	2,103	2,028	2,098	2,059	1,956	2,047.0
1978	1,766	1,807	1,889	1,882	1,929	1,996	2,100	2,030	2,019	2,052	2,177	2,200	1,987.3
1979	2,091	2,131	2,140	2,057	2,023	2,017	2,020	1,989	2,028	2,030	2,096	2,090	2,059.3
1980	2,100	2,100	2.000	1,750	1,700	1,700	1,680	1,690	1,680	1,665	1,680	750	1,707.9
1981	1,600	1,650	1,590	1,600	1,400	1,100	700	600	600	700	750	1,000	1,107.5
1982	900	700	700	800	900	1,200	1,300	1,300	1,500	1,700	1,700	1,700	1,200.0
1983	800	700	900	1,020	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,018.3
1984	1,100	1,100	1,100	1,200	1,200	1,300	1,100	1,000	1,000	1,000	1,000	1,000	1,091.7
1985	1,000	1,000	1,100	1,100	1,100	970	900	1,000	1,100	1,100	1,100	1,100	1,047.5
1986	1,100	950	965	978	985	1,200	1,100	1,200	990	990	990	999	1,037.3
1987	1,000	900	900	926	960	1,170	1,210	1,370	960	1,300	1,290	1,140	1,093.8
1988	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,050	1,050	1,100	1,100	1,025.0
1989	1,050	1,050	1,100	1,100	1,100	1,100	1,100	1,200	1,200	1,150	1,200	1,200	1,129.2
1990	1,300	1,300	1,300	1,350	1,250	1,250	1,280	1,350	1,400	1,500	1,500	1,500	1,356.7

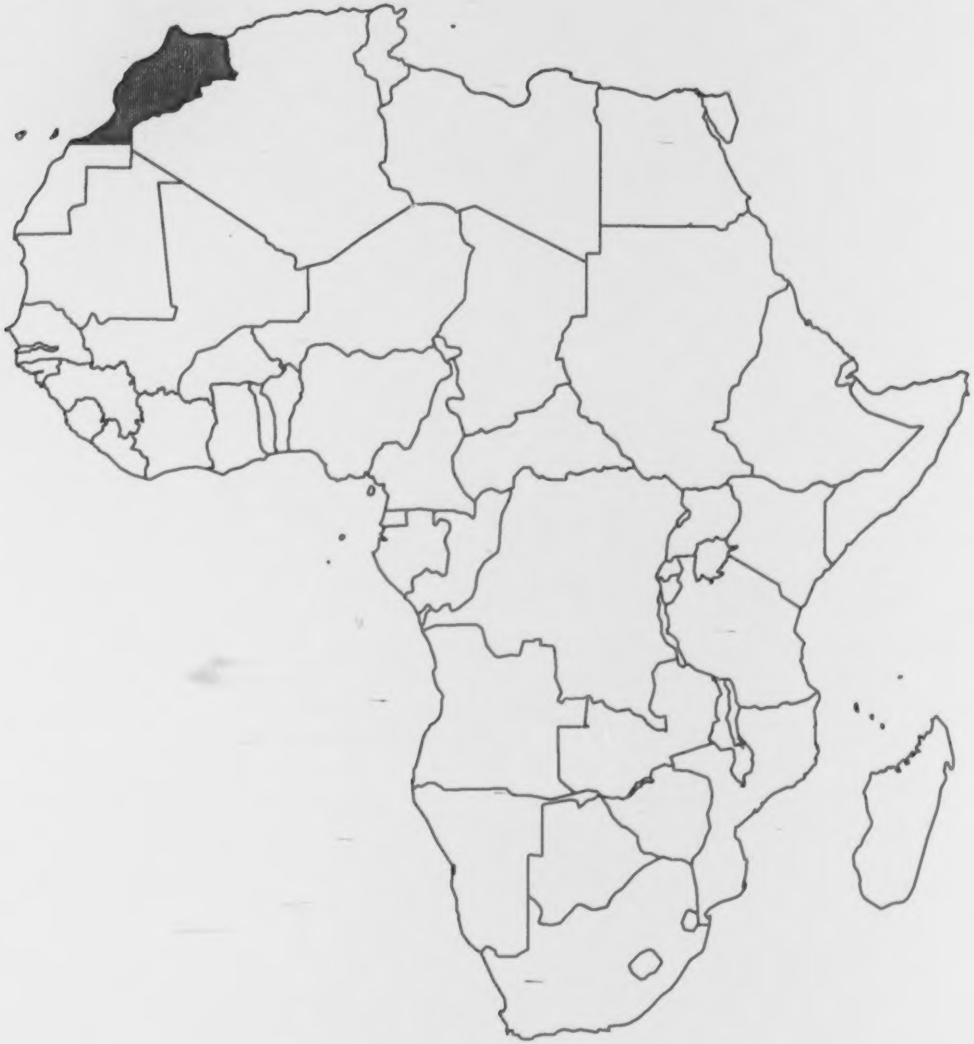
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976	NA	NA	NA	NA	NA	35.4	31.2	30.0	40.0	41.0	42.3	42.3	262.2
1977	42.6	41.0	40.0	41.2	40.0	38.6	40.2	39.6	40.2	41.2	42.0	42.0	488.6
1978	41.6	42.0	42.0	41.2	40.8	38.6	38.0	36.4	10.6	11.0	10.8	11.0	364.0
1979	12.0	12.0	12.0	11.0	11.0	10.8	10.0	10.0	19.2	20.0	18.0	16.0	162.0
1980	14.6	10.0	9.0	8.0	8.0	13.2	13.0	12.5	12.5	12.0	10.0	10.0	132.8
1981	54.7	55.0	55.0	55.0	55.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	674.7
1982	60.0	15.0	15.0	15.0	15.0	11.7	11.7	11.7	11.7	11.7	12.8	12.8	204.1
1983	8.0	7.5	8.0	7.7	8.0	7.7	8.0	8.0	7.7	8.0	7.7	12.5	98.8
1984	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	150.0
1985	12.5	12.5	12.5	12.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	158.0
1986	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	15.3	15.3	165.6
1987	14.8	13.4	13.1	13.5	14.9	17.0	17.6	17.5	17.3	17.9	23.2	20.5	200.7
1988	18.0	18.0	18.0	18.0	18.0	18.0	18.0	13.5	14.2	14.2	14.8	15.3	198.0
1989	14.6	13.2	13.8	13.4	13.8	16.2	16.7	17.5	16.0	15.3	15.5	16.0	182.0
1990	16.0	14.5	16.1	15.6	16.1	15.6	16.5	17.4	17.5	19.4	18.8	19.4	202.9

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Morocco

Size (Square Miles): 172,417
Location: Africa



Morocco

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	14,908	15,310	15,712	16,113	16,511	16,908	17,305	17,702	18,098	18,502	18,927
GNP (Mill US Dollars)	3,609	3,911	4,305	5,011	6,158	7,627	8,899	9,152	10,867	12,914	15,472
GNP per Capita (US Dollars)	250	260	280	300	340	410	500	560	600	650	770
Consumer Price Index (1987=100)	24.4	24.7	25.7	26.7	27.8	32.7	35.2	38.2	43.0	47.2	51.2

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	19,382	19,865	20,375	20,912	21,475	22,061	22,706	23,376	23,960	24,567
GNP (Mill US Dollars)	18,208	14,561	14,767	13,314	12,165	12,102	16,300	18,158	20,905	21,181
GNP per Capita (US Dollars)	930	870	860	730	660	610	650	680	830	880
Consumer Price Index (1987=100)	56.0	63.0	69.6	73.9	83.1	89.6	97.4	100.0	102.4	105.6

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Morocco

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Primary Energy
1980	0.19	0.02	0.02	0.21
1981	0.18	0.02	0.02	0.20
1982	0.18	0.02	0.02	0.20
1983	0.19	0.03	0.03	0.22
1984	0.18	0.03	0.03	0.21
1985	0.19	0.03	0.03	0.22
1986	0.19	0.04	0.04	0.23
1987	0.19	0.04	0.04	0.23
1988	0.20	0.04	0.04	0.24
1989	0.23	0.04	0.04	0.27

Coal Production

1975	0.02
1976	0.02
1977	0.02
1978	0.02
1979	0.02
1980	0.02
1981	0.02
1982	0.02
1983	0.02
1984	0.02
1985	0.02
1986	0.02
1987	0.02
1988	0.02
1989	0.02

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Morocco

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Well Completions	(Total)	10	14	12	9	6	8	5	7	3	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	0	0	0	0	0	0	0	0	3	3	3
Nat. Gas Reserves, Beginning of Year	(bcf)	25	NA	NA	NA	NA	NA	NA	130	70	100	100
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	72	72	72	74	74	80	81	81	155	155	155
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	8	10	8	9	8	10	8	10	9	NA	NA
Middle Distillate Demand	(000 b/d)	26	29	30	27	25	26	27	30	38	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	32	33	33	35	36	40	35	28	27	NA	NA
Total Product Demand	(000 b/d)	89	93	88	89	85	105	94	92	99	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	6	0	5	5	5	0	1	8	8	NA	NA
Total Pet Exports	(000 b/d)	6	0	5	5	5	0	1	8	8	NA	NA
Crude Oil Imports	(000 b/d)	92	98	89	85	92	101	83	98	100	NA	NA
Pet Product Imports	(000 b/d)	6	8	4	7	5	7	15	7	6	NA	NA
Total Pet Imports	(000 b/d)	98	106	93	92	97	108	98	105	106	NA	NA
Net Crude Imports (Exports)	(000 b/d)	92	98	89	85	92	101	83	98	100	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	0	8	(1)	2	0	7	14	(1)	(2)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	92	106	88	87	92	108	97	97	98	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Energy Information Administration, Oil & Gas Journal

Morocco

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	3.10	1.57	NA	1.57	1.11	NA	29.30
1982	NA	NA	NA	NA	NA	NA	NA
1983	2.84	1.36	NA	1.36	0.78	NA	32.37
1984	2.42	1.47	NA	1.33	0.75	NA	30.21
1985	2.42	1.14	NA	0.99	0.65	NA	30.90
1986	2.39	1.36	NA	1.23	0.64	29.65	27.90
1987	NA	NA	NA	NA	NA	NA	NA
1988	2.94	1.68	NA	1.51	0.79	36.58	34.44
1989	2.79	1.59	0.91	1.43	0.74	34.71	32.66
1990	2.86	1.63	0.95	1.47	0.77	35.61	33.48

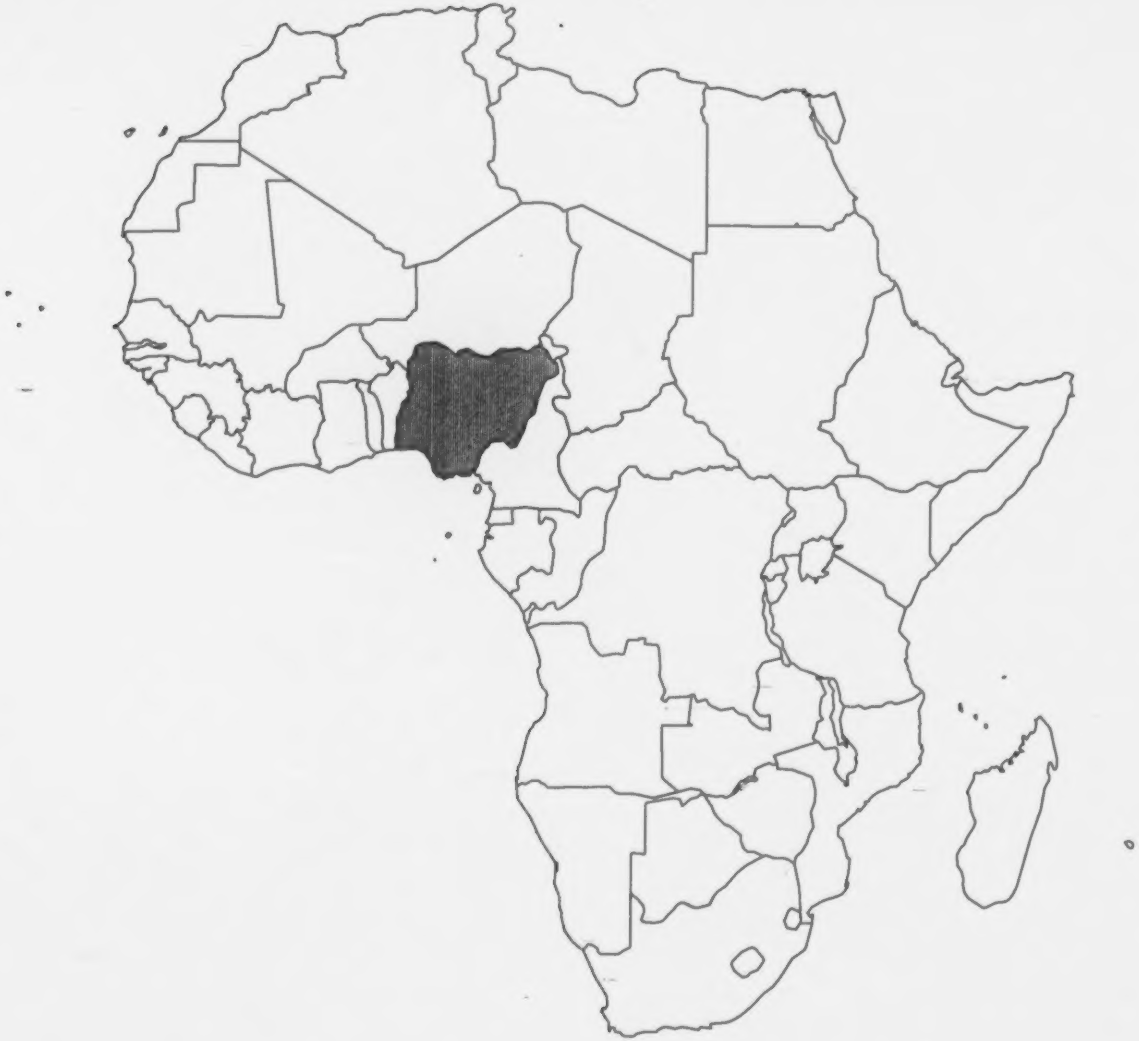
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Nigeria

Size (Square Miles): 356,669
Location: Africa



Nigeria

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	64,568	66,182	67,892	69,619	71,361	73,116	74,884	76,715	78,613	80,580	82,619
GNP (Mill US Dollars)	7,014	13,254	14,915	17,030	19,106	33,381	40,016	49,238	56,719	61,047	77,683
GNP per Capita (US Dollars)	110	150	190	230	270	360	440	600	700	720	870
Consumer Price Index (1987=100)	7.9	9.0	10.5	10.8	11.4	12.9	17.2	21.4	24.4	29.7	33.2

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	84,732	87,352	90,214	93,261	96,432	99,669	103,011	106,497	110,068	113,665
GNP (Mill US Dollars)	98,964	92,613	92,194	89,014	91,182	88,539	45,766	23,050	27,835	27,533
GNP per Capita (US Dollars)	1,030	1,090	1,110	980	900	930	710	370	280	250
Consumer Price Index (1987=100)	36.5	44.1	47.5	58.5	81.6	86.1	90.7	100.0	138.3	194.8

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Nigeria

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Primary Energy
1980	0.35	0.04	0.42
1981	0.41	0.05	0.49
1982	0.44	0.05	0.52
1983	0.41	0.08	0.52
1984	0.43	0.10	0.56
1985	0.45	0.11	0.59
1986	0.42	0.12	0.57
1987	0.44	0.14	0.61
1988	0.48	0.14	0.65
1989	0.51	0.15	0.69

Production

	Petroleum	Natural Gas	Primary Energy
1973	4.41	NA	4.45
1974	4.85	NA	4.89
1975	3.83	0.01	3.88
1976	4.45	0.02	4.51
1977	4.44	0.02	4.50
1978	4.01	0.02	4.06
1979	4.86	0.05	4.95
1980	4.42	0.04	4.50
1981	3.08	0.08	3.18
1982	2.78	0.05	2.86
1983	2.66	0.09	2.77
1984	2.99	0.10	3.12
1985	3.21	0.11	3.35
1986	3.15	0.12	3.30
1987	2.88	0.14	3.04
1988	3.12	0.14	3.29
1989	3.63	0.15	3.80

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Nigeria

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	20	23	27	17	11	10	10	11	13	14	18
Well Completions	(Total)	132	202	144	100	89	62	56	72	69	91	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	17,400	16,700	16,500	16,750	16,550	16,650	16,600	16,000	15,980	16,000	16,000
Nat. Gas Reserves, Beginning of Year	(bcf)	41,400	41,000	40,500	32,400	34,800	35,600	47,000	47,000	84,000	85,000	87,400
Crude Oil Production	(000 b/d)	2,011	1,437	1,290	1,234	1,419	1,482	1,464	1,255	1,390	1,617	1,792
Nat. Gas Production	(bcf)	188	66	44	132	157	88	73	95	126	135	134
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	160	160	254	260	247	250	250	250	270	415	433
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	61	68	98	97	79	97	83	85	89	NA	NA
Middle Distillate Demand	(000 b/d)	37	37	52	57	50	40	47	40	37	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	15	17	24	20	5	25	19	24	35	NA	NA
Total Product Demand	(000 b/d)	148	156	228	233	258	215	208	218	234	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	1,960	1,298	1,050	1,087	1,120	1,268	1,324	1,193	1,282	NA	NA
Pet Product Exports	(000 b/d)	9	9	10	10	9	13	6	15	19	NA	NA
Total Pet Exports	(000 b/d)	1,969	1,307	1,060	1,097	1,129	1,281	1,330	1,208	1,301	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	18	18	21	NA	NA
Pet Product Imports	(000 b/d)	20	21	4	*	10	51	81	62	63	NA	NA
Total Pet Imports	(000 b/d)	20	21	4	0	10	51	99	80	84	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(1,960)	(1,298)	(1,050)	(1,087)	(1,120)	(1,268)	(1,306)	(1,175)	(1,261)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	11	12	(6)	(10)	1	38	75	47	44	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(1,949)	(1,286)	(1,056)	(1,097)	(1,119)	(1,230)	(1,231)	(1,128)	(1,217)	NA	NA
Natural Gas Exports	(bcf)	NA	NA	NA	NA	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	NA	NA	NA	NA	0	0	0	0	0	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Nigeria

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	15	15	15	15	15	15	15	15	19	19	19	19	16
Offshore	5	5	5	5	5	5	5	5	9	9	9	9	6
Total	20	20	20	20	20	20	20	20	28	28	28	28	22
1982													
Land	19	19	19	19	18	17	17	17	15	15	9	10	16
Offshore	9	9	9	9	9	13	13	13	10	10	13	11	11
Total	28	28	28	28	27	30	30	30	25	25	22	21	27
1983													
Land	10	9	9	7	11	11	11	10	10	10	7	7	9
Offshore	11	10	10	11	7	7	7	7	6	6	6	6	8
Total	21	19	19	18	18	18	18	17	16	16	13	13	17
1984													
Land	7	8	4	4	4	6	6	6	6	4	6	6	6
Offshore	6	5	6	7	7	6	5	5	5	7	4	4	6
Total	13	13	10	11	11	12	11	11	11	11	10	10	12
1985													
Land	7	7	7	7	7	7	7	5	5	9	9	9	7
Offshore	3	3	3	2	2	2	2	3	3	2	2	2	2
Total	10	10	10	9	9	9	9	8	8	11	11	11	9
1986													
Land	9	5	7	7	6	6	6	6	8	8	8	8	7
Offshore	2	1	1	2	3	1	3	3	3	5	5	5	3
Total	11	6	8	9	9	7	9	9	11	13	13	13	10
1987													
Land	6	6	6	6	6	6	5	5	5	6	10	7	6
Offshore	6	6	6	7	6	6	4	4	4	3	3	3	5
Total	12	12	12	13	12	12	9	9	9	9	13	10	11
1988													
Land	7	6	7	7	7	8	7	9	8	9	7	8	8
Offshore	3	3	4	5	5	5	6	6	7	7	8	8	6
Total	10	9	11	12	12	13	13	15	15	16	15	16	14
1989													
Land	9	9	9	10	11	11	11	11	8	6	12	11	10
Offshore	7	6	3	5	4	5	5	4	4	2	3	4	4
Total	16	15	12	15	15	16	16	15	12	8	15	15	14
1990													
Land	16	10	11	12	12	12	12	12	12	12	12	13	12
Offshore	3	3	5	5	6	5	7	7	7	7	7	7	6
Total	19	13	16	17	18	17	19	19	19	19	19	20	18

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Nigeria

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	645	863	927	937	1,029	1,030	1,074	1,215	1,257	1,297	1,354	1,378	1,083.7
1971	1,404	1,449	1,497	1,526	1,551	1,552	1,269	1,432	1,630	1,619	1,684	1,703	1,526.3
1972	1,695	1,734	1,758	1,798	1,773	1,796	1,801	1,880	1,858	1,889	1,901	1,920	1,816.9
1973	1,927	1,935	1,924	1,954	1,948	1,998	1,991	2,100	2,102	2,190	2,200	2,255	2,043.7
1974	2,185	2,185	2,290	2,275	2,250	2,336	2,196	2,299	2,312	2,325	2,238	2,063	2,246.2
1975	1,985	1,802	1,713	1,531	1,547	1,616	1,626	1,755	1,920	1,909	1,950	1,980	1,777.8
1976	1,999	2,070	2,018	2,064	2,082	2,095	2,049	1,937	2,047	2,113	2,180	2,190	2,070.3
1977	2,197	2,196	2,258	2,258	2,210	2,100	2,065	2,020	2,027	1,950	1,918	1,875	2,089.5
1978	1,638	1,566	1,521	1,882	1,720	1,996	1,913	2,060	2,109	2,114	2,276	2,200	1,916.3
1979	2,428	2,428	2,435	2,416	2,450	2,400	2,350	2,330	2,116	2,030	2,150	2,151	2,307.0
1980	2,150	2,150	2,156	2,189	2,141	2,195	2,101	2,049	1,600	1,879	2,062	1,460	2,011.0
1981	2,092	1,943	1,868	1,623	1,293	1,350	773	707	1,061	1,250	1,460	1,820	1,436.7
1982	1,737	1,400	933	880	1,308	1,648	1,259	1,106	1,165	1,482	1,355	1,203	1,289.7
1983	833	673	910	1,150	1,628	1,500	1,726	1,308	1,220	1,300	1,247	1,310	1,233.8
1984	1,363	1,562	1,600	1,300	1,300	1,400	1,150	1,150	1,400	1,600	1,600	1,600	1,418.8
1985	1,400	1,680	1,700	1,600	1,400	1,100	1,000	1,300	1,500	1,700	1,800	1,600	1,481.7
1986	1,200	1,400	1,600	1,700	1,600	1,540	1,555	1,765	1,300	1,300	1,304	1,304	1,464.0
1987	1,300	1,140	1,238	1,077	1,239	1,320	1,320	1,340	1,210	1,280	1,420	1,170	1,254.5
1988	1,200	1,300	1,350	1,320	1,370	1,390	1,400	1,400	1,450	1,500	1,500	1,500	1,390.0
1989	1,350	1,400	1,450	1,550	1,600	1,600	1,800	1,700	1,700	1,650	1,800	1,800	1,616.7
1990	1,700	1,750	1,800	1,800	1,700	1,700	1,700	1,800	1,850	1,900	1,900	1,900	1,791.7

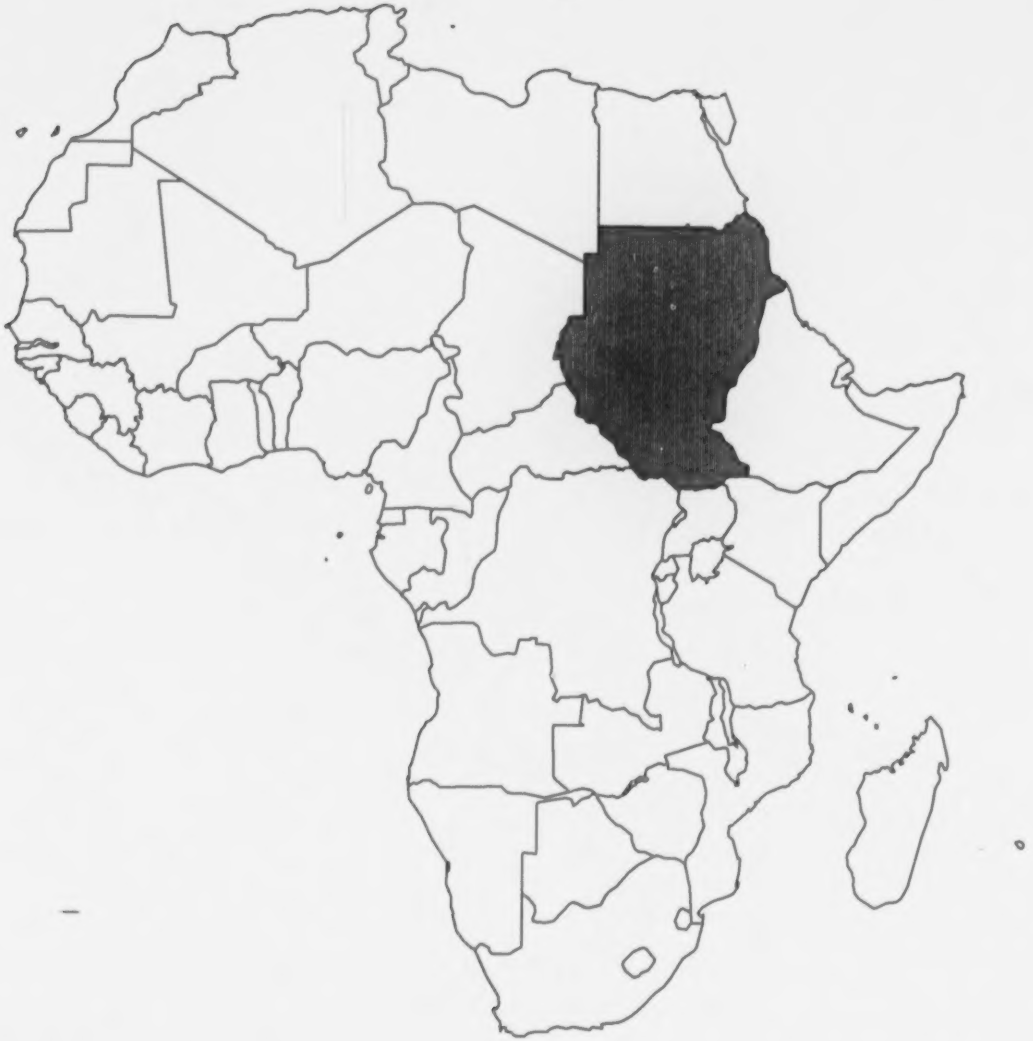
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976	NA	NA	NA	NA	NA	60.6	56.2	49.4	43.0	41.6	39.4	39.4	329.6
1977	54.0	66.0	60.0	61.0	60.0	58.6	61.2	60.0	58.6	57.9	60.1	60.0	717.4
1978	60.2	61.2	60.2	58.1	50.6	50.0	50.0	47.0	40.2	40.0	38.7	30.4	586.6
1979	29.6	30.2	30.2	30.0	28.4	25.0	14.9	14.9	42.4	42.0	40.0	38.0	365.6
1980	36.0	30.0	28.0	26.0	26.0	6.6	6.0	5.0	6.0	6.0	6.0	6.0	187.6
1981	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	66.0
1982	5.0	3.0	3.0	3.0	3.0	3.2	3.2	3.2	3.2	3.2	5.7	5.7	44.4
1983	3.3	3.1	3.3	9.6	14.3	13.2	14.3	14.3	13.8	14.3	13.8	14.5	131.8
1984	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	6.0	6.0	157.0
1985	6.0	6.0	6.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	88.0
1986	6.0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	9.1	9.1	72.8
1987	8.1	6.7	7.5	6.7	7.5	8.0	8.5	8.9	8.0	7.4	9.4	7.8	94.5
1988	8.6	8.6	8.6	8.6	8.9	8.6	9.1	12.3	12.7	12.7	13.2	14.1	126.0
1989	12.7	11.9	10.0	11.2	11.9	11.2	11.6	11.0	10.6	10.3	10.9	11.3	134.6
1990	10.7	9.7	11.0	10.6	11.0	10.6	11.0	11.6	11.5	12.2	11.8	12.2	133.9

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Sudan

Size (Square Miles): 967,500
Location: Africa



Sudan

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	13,511	13,859	14,243	14,652	15,083	15,537	16,012	16,507	17,019	17,550	18,104
GNP (Mill US Dollars)	1,671	2,000	2,163	2,366	2,537	3,534	4,274	5,229	6,634	7,539	7,512
GNP per Capita (US Dollars)	130	140	150	160	150	200	260	330	390	410	400
Consumer Price Index (1987=100)	3.3	3.5	3.5	4.0	4.6	5.8	7.2	7.3	8.5	10.2	13.3

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	18,681	19,279	19,894	20,525	21,169	21,822	22,475	23,127	23,777	24,423
GNP (Mill US Dollars)	7,862	8,650	7,134	7,069	8,595	6,362	8,861	9,655	8,352	15,645
GNP per Capita (US Dollars)	430	460	450	400	350	320	370	380	380	NA
Consumer Price Index (1987=100)	16.7	20.8	26.2	34.2	45.8	66.6	82.9	100.0	164.7	NA

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Sudan

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Energy Consumption												
Petroleum Consumption	(Quad BTU)	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	NA
Exploration, Drilling & Production												
Well Completions	(Total)	8	14	17	24	6	6	2	1	NA	4	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	0	0	200	400	300	300	300	300	300	300	300
Nat. Gas Reserves, Beginning of Year	(bcf)	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,000	3,000
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	26	24	24	24	24	24	24	24	21	21	26
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	NA	NA	NA	NA	4	5	5	5	6	NA	NA
Middle Distillate Demand	(000 b/d)	NA	NA	NA	NA	11	11	13	13	16	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	NA	NA	NA	NA	5	5	7	6	5	NA	NA
Total Product Demand	(000 b/d)	NA	NA	NA	NA	22	25	28	27	30	NA	NA

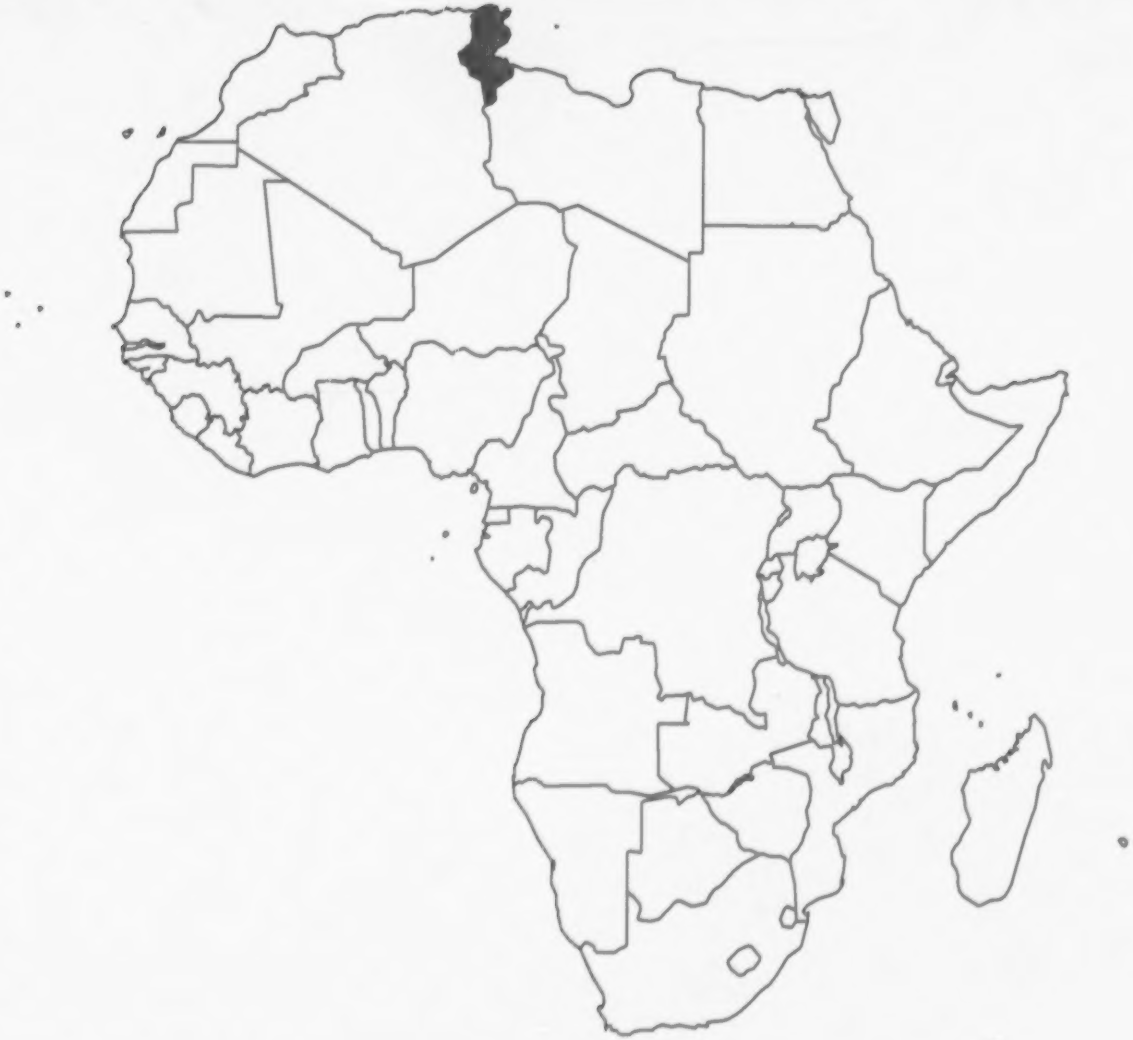
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Energy Information Administration, Oil & Gas Journal

Notes

Tunisia

Size (Square Miles): 63,170
Location: Africa



Tunisia

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	5,031	5,127	5,208	5,294	5,389	5,494	5,611	5,742	5,890	6,050	6,216
GNP (Mill US Dollars)	1,295	1,416	1,666	2,172	2,643	3,423	4,235	4,330	4,918	5,705	6,868
GNP per Capita (US Dollars)	260	280	320	400	430	560	710	800	850	930	1,080
Consumer Price Index (1987=100)	30.5	30.8	32.6	33.3	34.8	36.3	39.8	41.9	44.7	47.1	50.7

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	6,384	6,555	6,729	6,905	7,082	7,261	7,441	7,622	7,804	7,988
GNP (Mill US Dollars)	8,589	8,198	7,848	7,817	7,747	7,963	8,433	9,104	9,529	9,586
GNP per Capita (US Dollars)	1,280	1,380	1,310	1,240	1,210	1,170	1,110	1,180	1,230	1,260
Consumer Price Index (1987=100)	55.8	60.3	69.1	75.3	81.7	88.2	93.3	100.0	106.4	114.2

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Tunisia

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Primary Energy
1980	0.11	0.02	0.13
1981	0.12	0.03	0.15
1982	0.11	0.02	0.13
1983	0.13	0.02	0.15
1984	0.12	0.04	0.16
1985	0.11	0.05	0.16
1986	0.13	0.04	0.17
1987	0.11	0.05	0.16
1988	0.13	0.05	0.18
1989	0.13	0.05	0.18

Petroleum Production

1973	0.00
1974	0.00
1975	0.20
1976	0.15
1977	0.20
1978	0.21
1979	0.21
1980	0.23
1981	0.24
1982	0.25
1983	0.25
1984	0.25
1985	0.24
1986	0.23
1987	0.22
1988	0.22
1989	0.23

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Tunisia

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	8	11	11	7	6	4	3	4	3	3	3
Well Completions	(Total)	15	36	34	19	25	22	19	25	17	11	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	2,250	1,652	1,690	1,860	1,820	1,514	1,800	1,800	1,800	1,790	1,750
Nat. Gas Reserves, Beginning of Year	(bcf)	6,000	5,600	5,400	4,300	4,150	2,224	4,200	3,200	2,960	3,100	3,100
Crude Oil Production	(000 b/d)	111	118	120	120	120	118	105	103	102	104	95
Nat. Gas Production	(bcf)	6	9	15	17	18	16	15	14	13	13	13
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	34	34	34	34	34	34	34	34	34	34	34
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	NA	4	4	4	1	5	5	5	6	NA	NA
Middle Distillate Demand	(000 b/d)	NA	19	16	20	20	21	22	20	20	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	NA	18	19	23	18	19	21	14	21	NA	NA
Total Product Demand	(000 b/d)	NA	57	49	62	57	63	61	52	61	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	97	103	97	84	80	75	85	76	67	NA	NA
Pet Product Exports	(000 b/d)	3	0	2	1	5	3	4	10	9	NA	NA
Total Pet Exports	(000 b/d)	100	103	99	85	85	78	89	86	76	NA	NA
Crude Oil Imports	(000 b/d)	20	28	7	8	0	0	8	8	0	NA	NA
Pet Product Imports	(000 b/d)	14	27	27	29	29	27	32	27	34	NA	NA
Total Pet Imports	(000 b/d)	34	55	34	37	29	27	40	35	34	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(77)	(75)	(90)	(76)	(80)	(75)	(77)	(68)	(67)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	11	27	25	28	24	24	28	17	25	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(66)	(48)	(65)	(48)	(56)	(51)	(49)	(51)	(42)	NA	NA
Natural Gas Exports	(bcf)	NA	NA	NA	NA	NA	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	NA	NA	NA	NA	NA	28	24	32	32	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Tunisia

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	7	7	7	8	8	8	8	8	8	8	8	8	8
Offshore	2	2	2	3	3	3	3	3	3	3	3	3	3
Total	9	9	9	11	11	11	11	11	11	11	11	11	11
1982													
Land	8	8	8	8	8	8	8	8	8	8	8	8	8
Offshore	3	3	3	3	3	3	3	3	3	3	3	3	3
Total	11	11	11	11	11	11	11	11	11	11	11	11	11
1983													
Land	8	8	8	7	7	7	3	3	3	3	3	5	5
Offshore	3	3	3	0	0	0	2	2	2	2	2	2	2
Total	11	11	11	7	7	7	5	5	5	5	5	7	7
1984													
Land	5	5	5	5	5	5	5	5	6	3	2	2	4
Offshore	1	1	1	1	1	1	1	0	0	2	2	2	1
Total	6	6	6	6	6	6	6	5	6	5	4	4	5
1985													
Land	2	2	4	4	3	3	4	4	4	5	1	1	3
Offshore	2	2	1	1	1	0	0	0	0	0	3	3	1
Total	4	4	5	5	4	3	4	4	4	5	4	4	4
1986													
Land	1	0	0	2	2	3	3	3	3	3	0	2	2
Offshore	1	2	2	2	2	0	0	0	0	0	0	0	1
Total	2	2	2	4	4	3	3	3	3	3	0	2	3
1987													
Land	5	5	2	2	2	2	2	4	3	3	1	2	3
Offshore	0	0	1	1	1	1	3	2	2	3	2	1	1
Total	5	5	3	3	3	3	5	6	5	6	3	3	4
1988													
Land	2	2	2	4	4	3	1	1	2	2	3	2	2
Offshore	0	0	1	1	1	1	2	2	1	1	1	0	1
Total	2	2	3	5	5	4	3	3	3	3	4	2	3
1989													
Land	2	6	5	3	2	2	3	2	1	2	1	2	3
Offshore	2	0	0	0	0	1	1	1	0	0	0	0	0
Total	4	6	5	3	2	3	4	3	1	2	1	2	3
1990													
Land	1	2	3	2	2	3	3	3	2	2	4	4	3
Offshore	0	0	2	1	0	0	0	0	0	0	2	2	1
Total	1	2	5	3	2	3	3	3	2	2	6	6	4

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Tunisia

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	80	80	80	80	75	75	75	90	85	87	87	87	81.8
1971	87	87	87	80	80	80	87	87	87	87	87	87	85.3
1972	87	87	87	87	90	82	82	82	80	80	85	85	84.5
1973	85	85	85	85	85	85	85	85	85	83	83	82	84.4
1974	82	82	70	65	65	65	65	94	95	105	105	105	83.2
1975	105	105	105	105	90	90	100	92	92	92	92	92	96.7
1976	92	82	85	80	80	80	80	70	70	70	70	70	77.4
1977	100	100	100	100	100	100	100	100	100	100	100	100	100.0
1978	100	100	100	100	100	100	100	100	100	100	100	100	100.0
1979	100	100	100	100	100	100	100	100	100	100	100	100	100.0
1980	110	110	110	110	110	110	110	110	110	110	110	120	110.8
1981	116	116	116	116	116	116	120	120	120	120	120	120	118.0
1982	120	120	120	120	120	120	120	120	120	120	120	120	120.0
1983	120	120	120	120	120	120	120	120	120	120	120	120	120.0
1984	120	120	120	120	120	120	120	120	120	120	120	120	120.0
1985	125	125	125	125	125	125	125	125	105	102	102	102	117.6
1986	116	110	113	100	100	111	100	100	105	100	100	100	104.6
1987	100	100	105	98	100	103	106	106	106	104	103	103	102.8
1988	100	99	98	95	105	105	103	103	105	103	103	105	102.0
1989	105	103	104	103	104	103	103	100	111	111	99	97	103.6
1990	100	97	100	100	100	91	91	91	92	87	92	100	95.1

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976	NA	NA	NA	NA	NA	17.2	17.5	16.2	11.4	7.4	6.7	6.7	83.1
1977	6.0	6.0	6.2	4.8	5.0	6.3	6.9	6.9	7.9	7.5	6.5	6.0	76.0
1978	6.0	5.4	8.3	8.2	8.0	8.4	8.4	8.6	7.2	7.0	6.9	10.3	92.7
1979	9.4	8.9	10.0	9.8	10.1	10.1	11.4	11.4	0.9	1.0	1.0	1.0	85.0
1980	1.0	1.0	1.0	1.0	1.0	0.4	0.1	0.1	0.1	0.1	0.1	0.1	6.0
1981	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.3
1982	1.0	1.0	1.2	1.3	1.4	1.3	1.3	1.3	1.2	1.3	1.3	1.4	15.0
1983	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	16.8
1984	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	18.0
1985	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	16.4
1986	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	15.4
1987	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	13.8
1988	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	13.1
1989	1.1	1.0	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	13.0
1990	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	13.1

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Tunisia

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	2.20	0.79	0.48	0.44	0.68	NA	12.24
1982	2.06	NA	0.54	0.44	NA	NA	15.24
1983	1.94	NA	0.63	0.61	NA	NA	18.29
1984	1.63	NA	0.53	0.50	NA	NA	15.36
1985	1.65	NA	0.54	0.39	NA	NA	16.38
1986	2.17	NA	0.78	0.66	1.22	NA	17.14
1987	2.08	NA	1.15	0.65	0.70	NA	16.42
1988	2.22	NA	0.85	0.71	1.27	NA	16.96
1989	1.65	NA	0.82	0.54	NA	41.04	16.23
1990	2.01	NA	0.79	0.66	NA	49.98	15.64

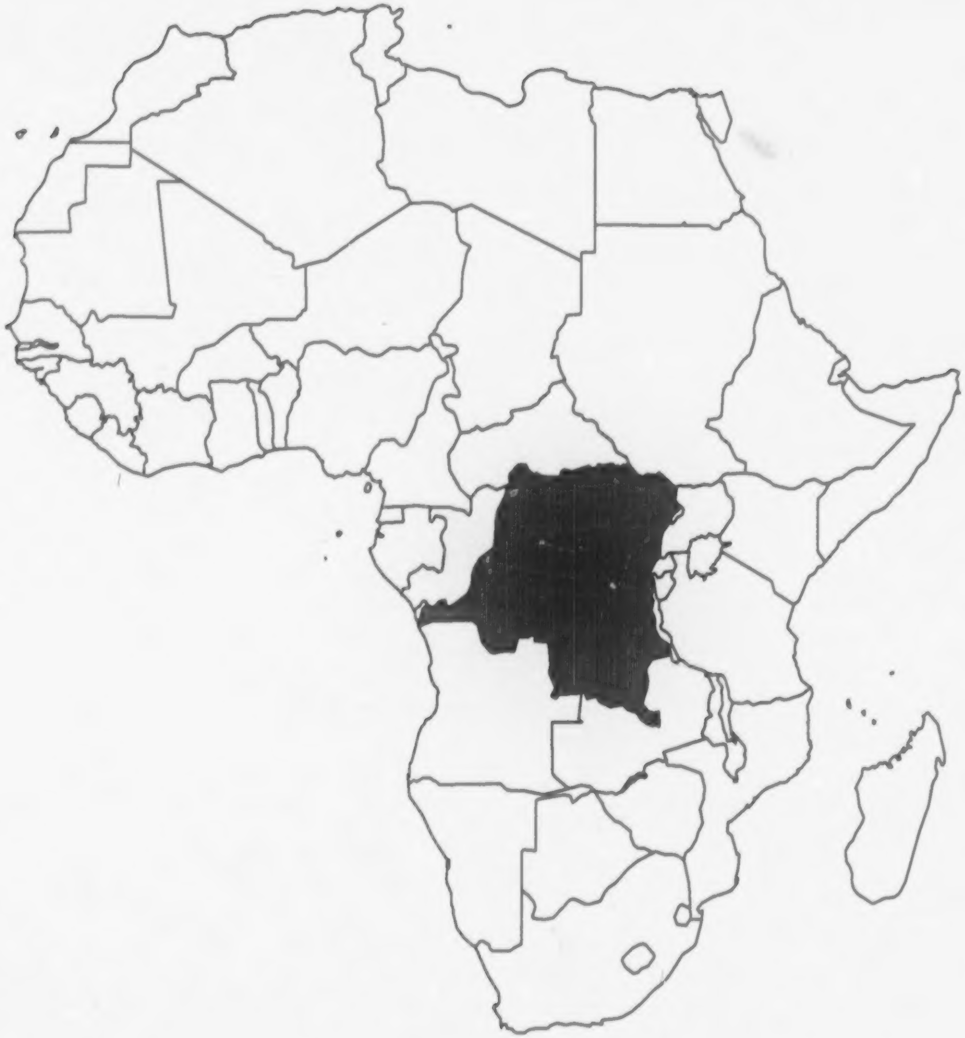
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Zaire

Size (Square Miles): 905,568
Location: Africa



Zaire

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	19,243	19,769	20,320	20,891	21,482	22,093	22,726	23,392	24,068	24,760	25,476
GNP (Mill US Dollars)	5,000	4,800	5,600	6,200	8,000	9,600	10,000	9,620	12,442	15,476	15,202
GNP per Capita (US Dollars)	240	260	270	280	340	390	430	430	470	510	600
Consumer Price Index (1987=100)	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.8	1.3	2.0	4.0

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	26,225	27,001	27,798	28,625	29,489	30,398	31,346	32,334	33,366	34,442
GNP (Mill US Dollars)	14,500	13,447	13,965	10,946	6,789	6,786	7,880	7,351	9,210	9,152
GNP per Capita (US Dollars)	630	590	540	460	340	270	240	240	260	260
Consumer Price Index (1987=100)	5.8	7.9	10.8	19.0	28.9	35.8	52.5	100.0	182.7	372.9

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Zaire

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Hydroelectric Power	Primary Energy
1980	0.04	0.04	0.08
1981	0.04	0.04	0.08
1982	0.05	0.04	0.09
1983	0.04	0.05	0.09
1984	0.04	0.05	0.09
1985	0.04	0.05	0.09
1986	0.04	0.05	0.09
1987	0.04	0.05	0.09
1988	0.05	0.05	0.10
1989	0.05	0.05	0.10

Hydroelectric Power Production

1973	0.04
1974	0.03
1975	0.04
1976	0.04
1977	0.04
1978	0.04
1979	0.04
1980	0.04
1981	0.04
1982	0.04
1983	0.05
1984	0.05
1985	0.05
1986	0.05
1987	0.05
1988	0.05
1989	0.05

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Zaire

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Well Completions	(Total)	2	9	8	17	42	37	8	4	6	6	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	135	130	145	139	110	110	110	112	112	96	96
Nat. Gas Reserves, Beginning of Year	(bcf)	50	50	50	48	40	30	30	30	30	30	30
Crude Oil Production	(000 b/d)	21	20	22	24	27	27	22	31	29	27	29
Nat. Gas Production	(bcf)	NA	NA	NA	0	0	0	0	0	0	0	0
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	16	17	17	17	17	17	17	17	17	17	17
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	NA	NA	NA	NA	2	4	4	3	4	NA	NA
Middle Distillate Demand	(000 b/d)	NA	NA	NA	NA	9	7	7	10	12	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	NA	NA	NA	NA	0	3	5	1	1	NA	NA
Total Product Demand	(000 b/d)	NA	NA	NA	NA	14	19	21	19	23	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Energy Information Administration, Oil & Gas Journal

Zaire

Crude Oil Production
Thousand Barrels per Day

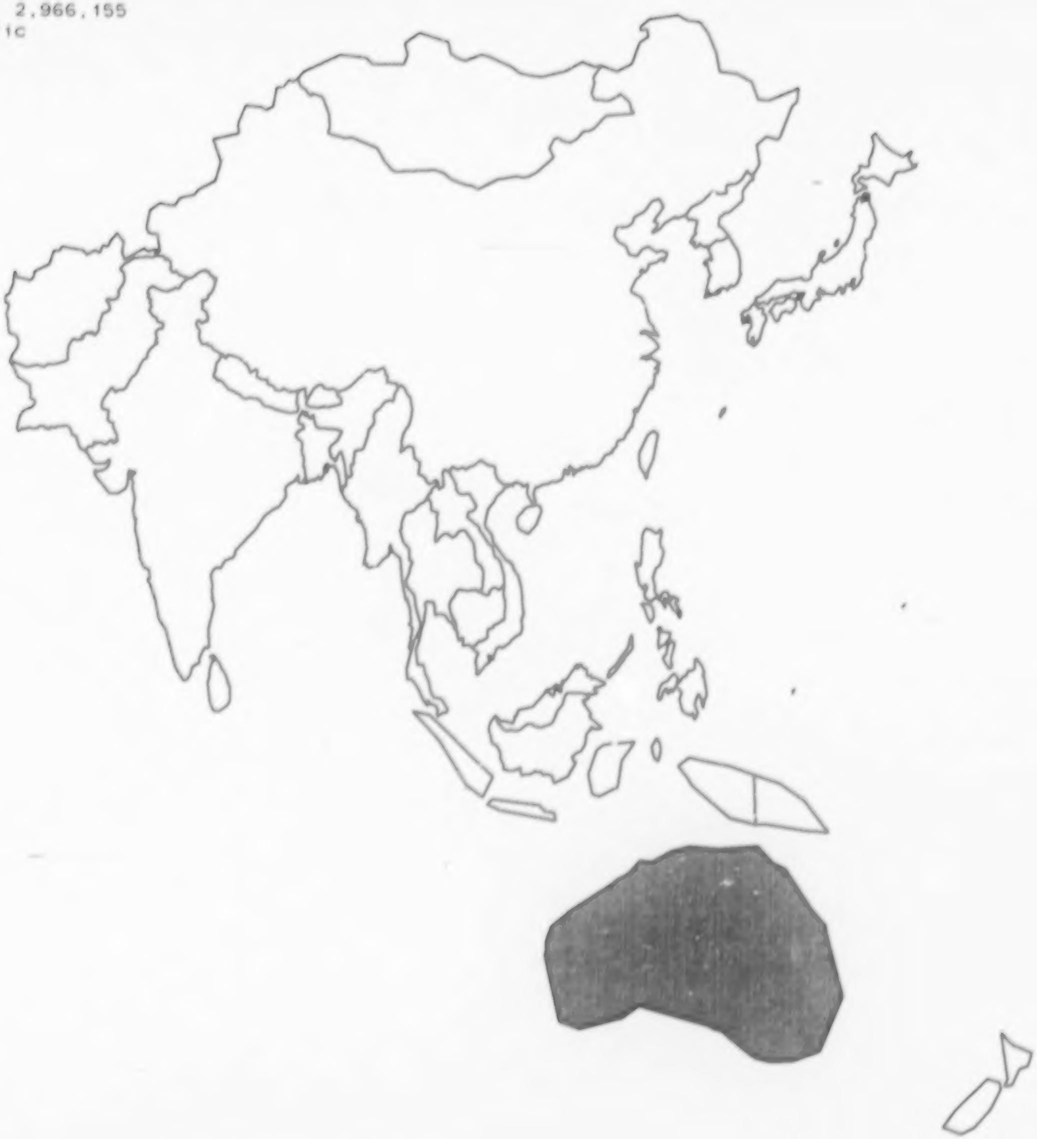
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1975	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	1.7
1976	20	20	18	18	18	18	18	18	18	18	18	18	18.3
1977	20	20	20	20	20	20	25	25	25	25	25	25	22.5
1978	25	25	25	25	25	25	25	20	20	20	20	20	22.9
1979	20	20	20	20	20	21	21	21	21	21	21	21	20.6
1980	21	21	21	21	21	21	20	20	20	20	20	20	20.5
1981	19	19	19	19	19	19	20	20	20	20	20	20	19.5
1982	22	22	22	22	22	22	22	22	22	22	22	22	22.0
1983	22	23	22	17	24	29	26	28	25	24	24	24	24.0
1984	23	25	28	28	28	28	28	27	28	27	29	26	27.1
1985	24	24	26	26	25	35	35	35	25	25	23	23	27.2
1986	23	23	23	21	20	20	20	23	22	20	20	30	22.1
1987	32	32	33	32	32	32	32	29	30	30	30	28	31.0
1988	29	28	31	29	29	29	30	29	30	30	29	29	29.3
1989	29	28	29	29	28	27	26	26	26	26	26	24	27.0
1990	25	26	30	29	28	29	28	29	30	31	30	31	28.8

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Notes

Australia

Size (Square Miles): 2,966,155
Location: Asia-Pacific



Australia

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	12,263	12,507	12,937	13,177	13,380	13,723	13,893	14,033	14,192	14,358	14,514
GNP (Mill US Dollars)	33,472	36,831	41,303	47,640	62,808	85,603	94,726	103,203	103,161	111,933	128,682
GNP per Capita (US Dollars)	2,760	2,970	3,180	3,440	4,140	5,140	6,360	7,430	7,650	8,090	8,820
Consumer Price Index (1987=100)	20.3	21.1	22.4	23.7	25.9	29.8	34.3	39.0	43.8	47.2	51.5

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	14,692	14,927	15,178	15,369	15,544	758	15,974	16,249	16,532	16,765
GNP (Mill US Dollars)	143,489	169,256	176,725	162,738	179,873	169,669	168,734	178,291	236,281	271,794
GNP per Capita (US Dollars)	9,730	11,010	11,600	11,530	12,050	11,770	11,400	11,250	12,330	14,440
Consumer Price Index (1987=100)	56.7	62.2	69.2	76.2	79.2	84.5	92.2	100.0	107.2	115.3

[illegible] from Oil & Gas Journal Energy Database.
[illegible]ce: World Bank

Australia

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1980	1.22	0.35	0.87	0.14	2.58
1981	1.17	0.39	0.90	0.15	2.61
1982	1.25	0.40	1.38	0.14	3.17
1983	1.21	0.40	1.25	0.13	2.99
1984	1.25	0.42	0.99	0.13	2.78
1985	1.26	0.47	1.04	0.15	2.91
1986	1.26	0.50	1.24	0.15	3.13
1987	1.29	0.51	1.37	0.14	3.31
1988	1.31	0.52	1.46	0.16	3.45
1989	1.36	0.54	1.46	0.15	3.51

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1973	0.86	0.15	2.12	0.12	3.25
1974	0.90	0.17	1.83	0.14	3.04
1975	0.95	0.19	1.91	0.16	3.19
1976	0.96	0.22	2.01	0.16	3.35
1977	0.98	0.25	2.06	0.14	3.43
1978	0.99	0.27	2.10	0.15	3.51
1979	1.00	0.29	2.20	0.17	3.66
1980	0.88	0.33	2.15	0.14	3.50
1981	0.90	0.39	2.43	0.15	3.88
1982	0.84	0.40	2.65	0.14	4.04
1983	0.93	0.40	2.77	0.13	4.24
1984	1.10	0.42	2.78	0.13	4.41
1985	1.27	0.47	3.44	0.14	5.33
1986	1.15	0.50	3.68	0.15	5.49
1987	1.21	0.51	4.16	0.14	6.02
1988	1.21	0.52	3.94	0.16	5.82
1989	1.09	0.54	4.00	0.15	5.78

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Australia

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	15	23	33	25	34	31	15	16	19	14	14
Well Completions	**(Total)**	126	232	298	288	380	359	169	282	286	228	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	2,130	2,360	1,709	1,622	1,586	1,431	1,449	1,713	1,692	1,673	1,677
Nat. Gas Reserves, Beginning of Year	**(bcf)**	31,000	30,000	18,700	17,768	17,682	17,850	18,220	18,680	18,610	16,633	16,467
Crude Oil Production	**(000 b/d)**	377	393	372	416	490	562	503	549	526	507	562
Nat. Gas Production	**(bcf)**	275	377	412	417	448	476	521	534	547	616	727
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	725	743	742	716	722	697	623	626	637	644	675
Ethylene Capacity	**(000 Tons/Yr)**	NA	265	321	335	420	420	420	420	420	455	455
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	255	257	260	258	266	274	274	278	287	NA	NA
Middle Distillate Demand	**(000 b/d)**	132	133	145	128	141	148	152	157	165	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	77	63	61	62	69	60	44	41	43	NA	NA
Total Product Demand	**(000 b/d)**	594	584	659	635	676	645	610	643	652	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	2	1	1	2	16	95	75	104	95	NA	NA
Pet Product Exports	**(000 b/d)**	84	77	104	107	102	83	83	81	84	NA	NA
Total Pet Exports	**(000 b/d)**	86	78	105	109	118	178	158	185	179	NA	NA
Crude Oil Imports	**(000 b/d)**	183	195	241	151	91	71	68	83	107	NA	NA
Pet Product Imports	**(000 b/d)**	74	64	45	41	109	109	126	103	108	NA	NA
Total Pet Imports	**(000 b/d)**	257	259	286	192	200	180	194	186	215	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	181	194	240	149	75	(24)	(7)	(21)	12	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	(10)	(13)	(59)	(66)	7	26	43	22	24	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	171	181	181	83	82	2	36	1	36	NA	NA
Total Pet Imports, % of Demand	**(Percent)**	21.00	21.42	22.54	15.67	15.55	14.57	15.90	14.55	16.51	NA	NA
Net Tot Pet Impts (Expts), % of Demand	**(Percent)**	13.97	14.97	14.26	6.78	6.38	0.16	2.95	0.08	2.76	NA	NA
Natural Gas Exports	**(bcf)**	0	0	1	0	0	0	0	0	0	NA	NA
Natural Gas Imports	**(bcf)**	0	0	0	0	0	0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Australia

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	11	11	11	11	11	19	19	19	23	27	29	29	18
Offshore	3	3	3	3	3	2	4	4	6	7	9	9	5
Total	14	14	14	14	14	21	23	23	29	34	38	38	23
1982													
Land	29	29	23	23	26	26	27	27	23	20	19	17	24
Offshore	9	9	9	9	9	8	9	8	9	8	11	10	9
Total	38	38	32	32	35	34	36	35	32	28	30	27	33
1983													
Land	15	13	12	11	13	11	12	16	16	22	16	19	15
Offshore	11	11	12	11	11	12	6	5	11	10	10	11	10
Total	26	24	24	22	24	23	18	21	27	32	26	30	25
1984													
Land	18	20	20	19	22	24	25	28	28	28	28	27	24
Offshore	10	10	10	12	10	10	10	12	10	9	9	8	10
Total	28	30	30	31	32	34	35	40	38	37	37	35	34
1985													
Land	27	21	20	19	23	24	23	21	20	23	23	20	22
Offshore	8	8	8	8	10	10	10	9	9	7	8	8	9
Total	35	29	28	27	33	34	33	30	29	30	31	28	31
1986													
Land	17	15	10	8	7	5	4	5	5	5	9	9	8
Offshore	9	10	9	8	6	6	6	6	5	4	4	4	6
Total	26	25	19	16	13	11	10	11	10	9	13	13	14
1987													
Land	7	7	6	7	7	12	17	19	19	19	17	17	13
Offshore	3	4	2	4	3	3	2	3	3	2	3	2	3
Total	10	11	8	11	10	15	19	22	22	21	20	19	16
1988													
Land	9	11	12	12	7	13	14	16	16	17	15	18	13
Offshore	2	3	2	2	4	3	6	7	8	9	10	8	5
Total	11	14	14	14	11	16	20	23	24	26	25	26	18
1989													
Land	9	8	8	5	6	6	6	6	8	9	7	8	7
Offshore	7	7	7	9	6	6	8	8	8	5	8	6	7
Total	16	15	15	14	12	12	14	14	16	14	15	14	14
1990													
Land	4	8	8	6	5	6	9	8	9	10	12	13	8
Offshore	7	7	7	6	7	5	6	4	4	6	6	5	6
Total	11	15	15	12	12	11	15	12	13	16	18	18	14

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Australia

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	45	46	70	128	130	132	171	246	257	254	239	280	166.5
1971	256	271	248	276	366	359	368	349	350	342	371	369	327.1
1972	365	353	331	376	324	163	90	377	404	408	408	439	336.5
1973	413	393	353	421	431	437	445	439	427	414	433	422	419.0
1974	464	490	415	351	361	325	313	290	471	465	459	473	406.4
1975	472	434	414	412	388	436	420	432	312	439	414	375	412.3
1976	470	463	364	425	432	423	475	446	448	390	367	408	425.9
1977	424	427	444	385	449	449	439	444	419	448	417	425	430.8
1978	446	446	450	422	423	452	430	443	408	399	435	425	431.6
1979	423	423	399	477	431	457	471	452	417	454	431	443	439.8
1980	414	350	361	423	320	309	436	402	388	431	265	426	377.1
1981	436	364	454	430	403	294	398	344	307	449	426	406	392.6
1982	384	444	334	349	400	381	340	344	279	401	406	400	371.8
1983	414	351	359	414	411	417	415	402	426	438	478	472	416.4
1984	493	485	448	477	499	468	480	480	454	510	525	559	489.8
1985	527	547	531	570	570	530	571	550	560	596	590	601	561.9
1986	600	580	480	484	383	428	390	460	530	578	560	560	502.8
1987	570	574	550	535	557	549	572	574	510	518	542	531	548.5
1988	557	526	543	519	503	551	541	521	530	493	474	558	526.3
1989	530	487	475	450	593	444	509	509	509	515	529	529	506.6
1990	548	557	563	562	562	578	570	593	593	500	570	575	564.3

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	5.3	5.2	5.2	4.7	7.3	4.6	6.1	5.6	7.9	7.6	2.5	6.1	68.1
1972	7.1	6.8	6.4	6.5	10.8	10.0	11.1	10.7	10.0	10.8	10.8	9.9	110.9
1973	10.1	9.8	10.2	11.1	11.4	12.5	11.9	14.4	14.2	16.0	12.5	15.2	149.3
1974	12.5	10.9	11.4	10.2	11.4	14.8	15.0	15.9	14.8	15.6	14.2	13.4	160.1
1975	14.3	13.4	12.7	13.4	14.1	15.4	16.6	17.3	17.2	15.6	17.2	15.6	182.8
1976	13.9	12.6	14.0	12.6	18.5	15.1	19.5	18.5	20.4	19.5	18.8	16.6	200.0
1977	16.7	16.7	16.4	18.1	18.4	21.2	22.9	22.0	23.0	22.0	19.2	20.1	236.7
1978	17.7	19.0	16.9	15.8	15.0	22.2	17.9	24.4	25.6	23.5	22.1	19.1	239.2
1979	20.1	20.0	18.8	18.9	16.4	16.3	21.9	27.8	24.4	24.7	22.8	22.0	254.1
1980	30.2	23.8	22.3	22.3	22.3	22.9	20.6	23.4	23.3	23.0	20.6	20.6	275.3
1981	27.3	33.0	28.0	24.0	24.0	32.0	32.0	39.0	40.0	36.0	32.0	30.0	377.3
1982	31.0	29.5	30.7	29.7	39.1	41.5	43.4	38.2	35.0	33.0	32.8	27.6	411.5
1983	25.4	29.2	33.8	33.0	38.8	41.2	40.6	39.3	36.8	35.7	34.1	29.3	417.2
1984	28.5	32.3	34.6	32.3	39.4	40.9	44.9	43.5	40.8	39.6	37.5	33.4	447.7
1985	32.1	33.0	36.7	34.1	39.9	45.0	48.6	47.1	44.2	42.8	38.5	34.3	476.3
1986	33.0	37.5	40.3	42.7	47.4	48.1	52.4	48.7	44.7	44.9	42.6	38.4	520.7
1987	34.5	36.4	41.2	39.8	47.3	48.9	55.8	52.4	50.8	48.3	39.1	39.2	533.7
1988	36.0	38.7	42.9	40.5	47.3	48.9	55.8	52.4	50.8	48.3	42.5	42.6	546.7
1989	39.4	38.3	50.7	43.0	44.9	53.9	55.7	55.7	62.8	57.8	55.9	57.8	615.9
1990	57.8	52.2	57.8	55.9	57.8	55.9	63.1	63.1	61.1	68.1	65.9	68.1	726.8

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Australia

Selected Petroleum Prices
January 1 *
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1978	0.80	0.75	0.58	NA	NA	21.00	13.78
1979	1.06	0.91	0.75	NA	NA	26.88	17.09
1980	1.32	1.26	1.12	NA	NA	41.58	29.89
1981	1.87	1.61	1.32	1.33	NA	48.72	36.62
1982	NA	NA	1.39	NA	NA	49.56	36.19
1983	1.85	1.88	1.49	1.48	0.51	57.54	38.43
1984	2.05	2.10	1.54	1.54	0.58	NA	40.45
1985	1.51	1.23	NA	NA	0.40	NA	NA
1986	2.68	1.26	NA	NA	0.77	NA	NA
1987	1.41	1.25	NA	NA	NA	NA	NA
1988	1.51	1.31	NA	NA	NA	NA	NA
1989	1.63	1.48	NA	1.30	0.65	NA	NA
1990	1.86	1.59	1.43	NA	NA	NA	NA

* Data for 1978-1980 are yearly averages.
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Bangladesh

Size (Square Miles): 55,598
Location: Asia-Pacific

Bangladesh

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	65,000	67,000	69,000	71,000	73,000	75,000	77,000	79,000	81,000	83,000	85,000
GNP (Mill US Dollars)	6,332	6,725	6,511	4,594	5,814	8,927	14,154	7,228	6,780	9,648	11,332
GNP per Capita (US Dollars)	100	100	100	80	80	100	130	140	110	110	120
Consumer Price Index (1987=100)	7.9	8.1	8.1	11.4	17.0	26.3	32.0	32.8	34.3	36.1	41.4

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	88,000	90,000	92,000	95,000	98,000	101,000	103,000	106,000	109,000	112,000
GNP (Mill US Dollars)	12,804	14,253	13,133	12,030	13,960	15,948	15,437	17,545	18,751	20,104
GNP per Capita (US Dollars)	140	160	160	150	140	150	160	160	170	180
Consumer Price Index (1987=100)	47.0	54.6	61.4	67.2	74.3	82.2	91.3	100.0	109.3	120.3

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Bangladesh

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Energy Production												
Natural Gas Production	**(Quad BTU)**	0.05	0.06	0.06	0.07	0.09	0.10	0.11	0.13	0.16	0.16	NA
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	3	5	5	2	4	5	5	5	2	5	4
Well Completions	**(Total)**	NA	NA	NA	NA	2	2	NA	2	7	4	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	NA	NA	NA	NA	NA	NA	NA	NA	1	1	1
Nat. Gas Reserves, Beginning of Year	**(bcf)**	8,000	8,000	7,000	7,000	7,000	7,000	11,800	12,710	12,720	12,715	12,360
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	31	31	31	31	22	31	31	31	31	31	31

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Bangladesh

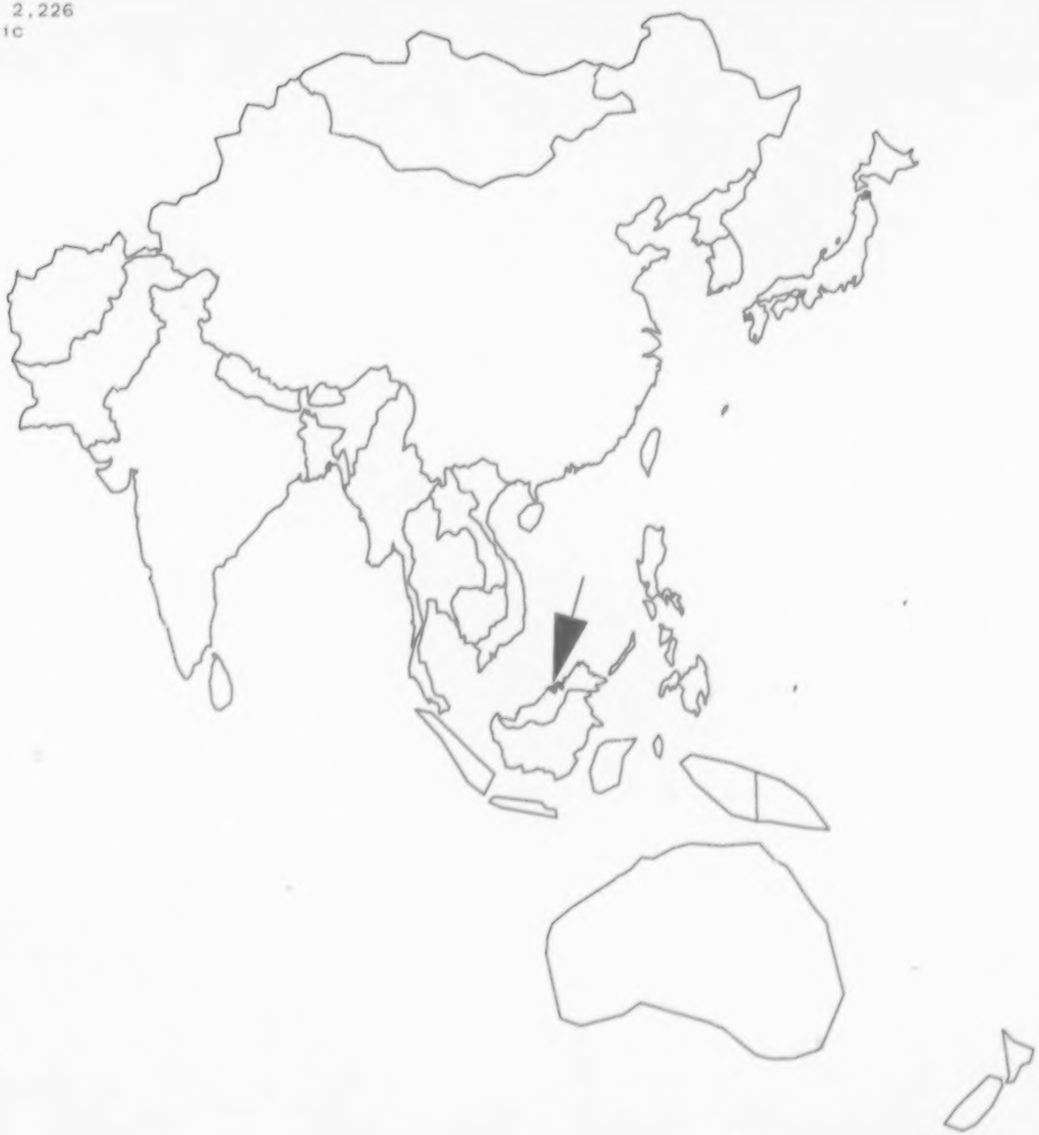
Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	5	5	5	5	5	5	5	5	5	5	5	4	5
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	5	5	5	5	5	5	5	5	5	4	5
1982													
Land	4	7	3	3	3	7	7	7	7	6	6	4	5
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4	7	3	3	3	7	7	7	7	6	6	4	5
1983													
Land	2	1	1	2	2	2	2	2	2	2	2	2	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	1	1	2	2	2	2	2	2	2	2	2	2
1984													
Land	2	3	3	3	3	3	3	3	5	5	5	5	4
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	3	3	3	3	3	3	3	5	5	5	5	4
1985													
Land	5	5	5	5	5	5	5	5	5	5	5	5	5
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	5	5	5	5	5	5	5	5	5	5	5
1986													
Land	5	5	5	5	5	5	5	5	5	5	5	5	5
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	5	5	5	5	5	5	5	5	5	5	5
1987													
Land	9	9	9	9	5	5	5	2	4	1	2	2	5
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	9	9	9	9	5	5	5	2	4	1	2	2	5
1988													
Land	2	2	1	1	1	3	3	3	3	2	2	0	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	5	0
Total	2	2	1	1	1	3	3	3	3	2	2	5	2
1989													
Land	0	0	0	5	5	5	5	5	5	5	5	5	4
Offshore	5	5	5	0	0	0	0	0	0	0	0	0	1
Total	5	5	5	5	5	5	5	5	5	5	5	5	5
1990													
Land	5	5	5	5	5	5	5	2	2	2	2	2	4
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	5	5	5	5	5	5	2	2	2	2	2	4

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Brunei

Size (Square Miles): 2,226
Location: Asia-Pacific



Brunei

Energy Production by Source
Quadrillion BTU

	Petroleum	Natural Gas	Primary Energy
1973	0.48	0.07	0.55
1974	0.43	0.16	0.59
1975	0.42	0.21	0.63
1976	0.48	0.28	0.76
1977	0.50	0.32	0.82
1978	0.49	0.33	0.82
1979	0.56	0.33	0.89
1980	0.56	0.35	0.91
1981	0.39	0.38	0.77
1982	0.37	0.36	0.73
1983	0.39	0.37	0.76
1984	0.36	0.34	0.70
1985	0.35	0.33	0.68
1986	0.38	0.33	0.71
1987	0.32	0.34	0.66
1988	0.31	0.34	0.65
1989	0.32	0.35	0.67

Data from Oil & Gas Journal Energy Database
Source: Energy Information Administration

Brunei

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	8	7	10	10	9	7	5	3	4	4	5
Well Completions	(Total)	56	45	57	63	61	38	27	20	22	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	1,800	1,710	1,630	1,240	1,390	1,400	1,480	1,421	1,420	1,400	1,375
Nat. Gas Reserves, Beginning of Year	(bcf)	7,700	7,300	7,100	6,800	7,050	7,300	7,400	7,060	7,010	11,600	11,370
Crude Oil Production	(000 b/d)	225	165	153	155	160	154	165	144	137	142	141
Nat. Gas Production	(bcf)	292	303	322	316	313	306	275	289	308	318	286
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	NA	NA	NA	NA	10	9	10	10	10	10	10
Exports & Imports												
Crude Oil Exports	(000 b/d)	240	159	170	171	160	158	170	148	141	NA	NA
Pet Product Exports	(000 b/d)	0	0	0	0	*	*	*	*	*	NA	NA
Total Pet Exports	(000 b/d)	240	159	170	171	160	158	170	148	141	NA	NA
Crude Oil Imports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Imports	(000 b/d)	1	1	1	2	0	0	1	1	1	NA	NA
Total Pet Imports	(000 b/d)	1	1	1	2	0	0	1	1	1	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(240)	(159)	(170)	(171)	(160)	(158)	(170)	(148)	(141)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	1	1	1	2	0	0	1	1	1	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(239)	(158)	(169)	(169)	(160)	(158)	(169)	(147)	(140)	NA	NA

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal, Society of Exploration Geophysicists

Brunei

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	1	1	1	1	1	1	1	1	1	1	1	1	1
Offshore	6	6	6	6	6	6	6	6	6	6	6	6	6
Total	7	7	7	7	7	7	7	7	7	7	7	7	7
1982													
Land	1	3	4	3	3	2	2	2	3	4	4	4	3
Offshore	7	7	8	7	8	6	6	6	8	8	8	9	7
Total	8	10	12	10	11	8	8	8	11	12	12	13	10
1983													
Land	4	4	3	3	3	3	3	2	2	2	1	2	3
Offshore	9	8	7	8	8	7	7	7	7	7	7	7	7
Total	13	12	10	11	11	10	10	9	9	9	8	9	10
1984													
Land	2	2	2	2	2	2	2	2	2	2	2	2	2
Offshore	6	6	6	7	7	7	7	7	7	7	7	6	7
Total	8	8	8	9	9	9	9	9	9	9	9	8	9
1985													
Land	2	2	2	1	1	1	1	1	1	1	1	1	1
Offshore	6	6	6	6	6	6	6	6	6	5	5	5	6
Total	8	8	8	7	7	7	7	7	7	6	6	6	7
1986													
Land	1	1	1	0	0	1	1	1	1	0	0	1	1
Offshore	5	5	5	5	5	4	4	4	4	3	3	3	4
Total	6	6	6	5	5	5	5	5	5	3	3	4	5
1987													
Land	1	1	1	1	0	0	0	0	0	1	1	1	1
Offshore	3	3	3	3	3	3	3	3	2	2	2	2	3
Total	4	4	4	4	3	3	3	3	2	3	3	3	4
1988													
Land	1	0	1	1	1	3	1	1	1	1	1	0	1
Offshore	2	3	3	3	3	1	3	3	3	3	4	4	3
Total	3	3	4	4	4	4	4	4	4	4	5	4	4
1989													
Land	1	1	1	1	1	1	2	2	2	2	1	1	1
Offshore	4	4	3	3	3	3	2	2	1	2	2	3	3
Total	5	5	4	4	4	4	4	4	3	4	3	4	4
1990													
Land	1	0	0	1	1	1	1	1	1	1	1	2	1
Offshore	3	4	4	3	3	4	4	4	5	5	3	1	4
Total	4	4	4	4	4	5	5	5	6	6	4	3	5

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Brunei

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	230	230	230	230	230	230	230	230	230	230	230	165	224.6
1981	165	165	165	165	165	165	165	165	165	165	165	165	165.0
1982	153	153	153	153	153	153	153	153	153	153	153	153	153.0
1983	155	155	155	155	155	155	155	155	155	155	155	155	155.0
1984	160	160	160	160	160	160	160	160	160	160	160	160	160.0
1985	160	160	160	160	140	130	150	150	160	160	160	160	154.2
1986	160	160	170	170	170	170	170	170	160	140	170	170	165.0
1987	152	160	160	129	143	130	131	130	141	156	149	144	143.8
1988	153	150	137	140	140	138	138	129	111	140	142	128	137.2
1989	145	142	142	138	134	145	113	150	150	150	150	150	142.4
1990	150	150	150	150	150	150	137	150	150	120	120	120	141.4

Natural Gas
Billion Cubic Feet

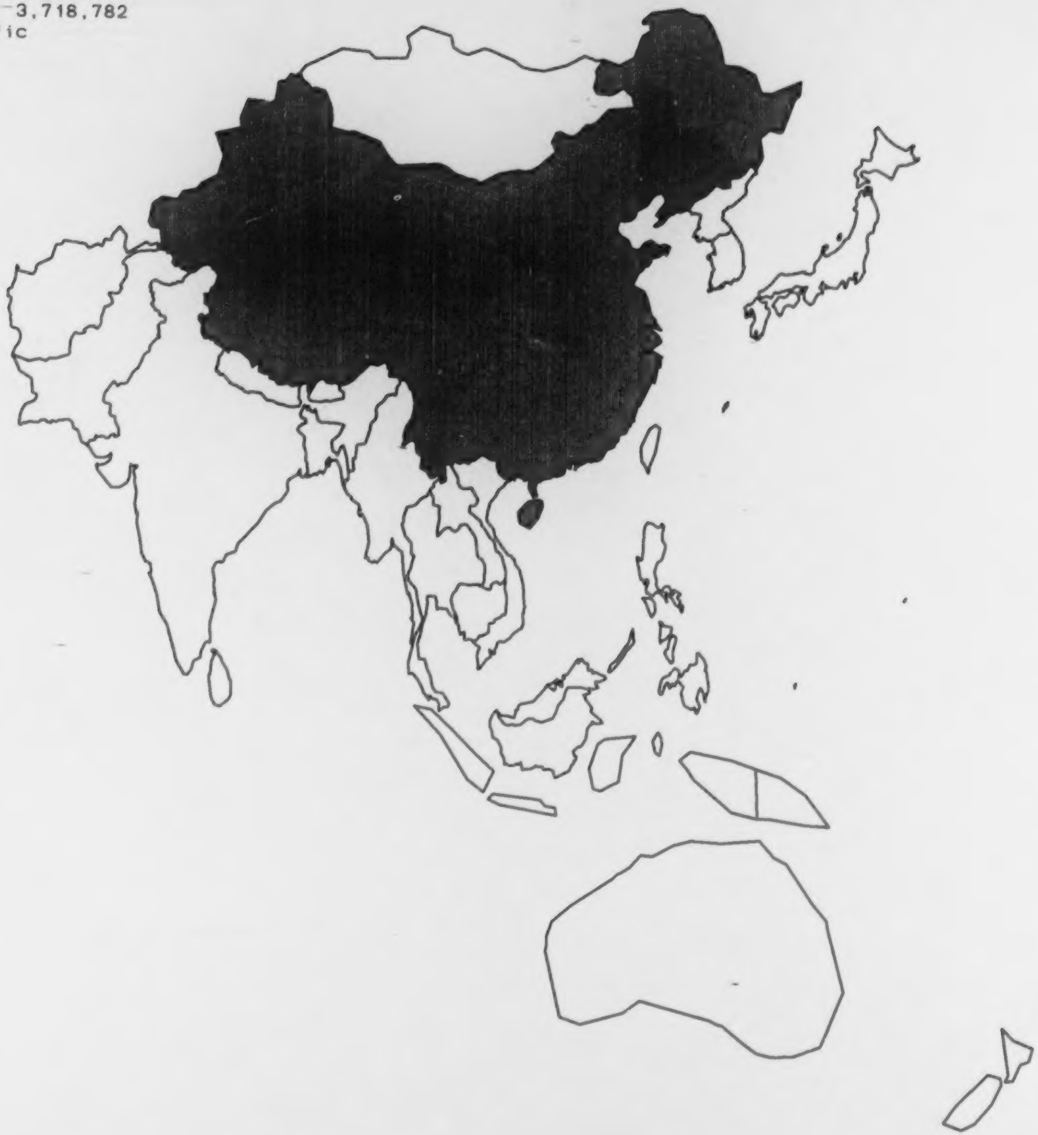
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1980	22.0	22.0	22.0	22.0	22.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	292.0
1981	26.0	26.0	26.0	26.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.0	303.0
1982	24.0	24.0	25.0	24.0	25.0	28.5	28.5	28.5	28.5	28.5	28.5	28.5	321.5
1983	26.8	25.1	26.8	25.9	26.8	25.9	26.8	26.8	25.9	26.8	25.9	26.0	315.5
1984	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	27.0	313.0
1985	27.0	27.0	27.0	27.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.0	306.0
1986	23.0	20.8	23.0	22.3	23.0	22.3	23.0	23.0	22.2	23.0	24.6	24.6	274.8
1987	26.1	23.6	26.1	24.8	25.0	24.8	24.9	24.9	19.1	20.1	23.0	26.7	289.1
1988	26.9	24.8	26.5	23.5	22.0	22.0	27.6	27.6	25.9	26.8	26.3	28.0	307.9
1989	27.4	24.7	26.1	26.4	25.4	25.0	27.4	27.4	26.5	27.4	26.5	27.4	317.6
1990	27.4	24.7	27.4	26.5	27.4	26.5	22.7	22.7	22.0	19.6	19.0	19.6	285.5

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Notes

China

Size (Square Miles): 3,718,782
Location: Asia-Pacific



China

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	796,000	818,000	841,000	862,000	882,000	900,000	916,000	931,000	944,000	956,000	969,000
GNP (Mill US Dollars)	78,333	93,293	100,610	113,111	134,221	142,653	160,269	148,969	169,247	213,571	258,194
GNP per Capita (US Dollars)	110	130	130	130	150	160	180	170	190	220	260
Consumer Price Index (1987=100)	NA	NA	NA	NA	NA	NA	61.7	61.9	63.5	64.0	65.3

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	981,000	994,000	1,008,000	1,022,000	1,033,000	1,045,000	1,058,000	1,073,000	1,088,000	1,105,000
GNP (Mill US Dollars)	298,267	281,059	274,550	292,879	299,483	290,782	281,768	304,516	371,828	415,729
GNP per Capita (US Dollars)	300	320	320	320	320	330	310	310	330	360
Consumer Price Index (1987=100)	70.1	71.9	73.4	74.8	76.8	85.9	91.9	100.0	120.7	140.4

Data from Oil & Gas Journal Energy Database.
Source: World Bank

China

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1980	3.81	0.53	14.66	0.61	19.60
1981	3.66	0.47	14.63	0.68	19.44
1982	3.56	0.40	14.24	0.77	18.97
1983	3.69	0.45	15.25	0.90	20.29
1984	3.75	0.46	16.83	0.90	21.94
1985	3.81	0.48	17.21	0.96	22.46
1986	4.10	0.51	17.57	0.98	23.16
1987	4.41	0.52	18.72	1.04	24.69
1988	4.57	0.53	19.34	1.10	25.53
1989	4.83	0.55	19.45	1.10	25.93

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1973	2.34	0.26	10.15	0.39	13.14
1974	2.82	0.30	10.68	0.44	14.25
1975	3.20	0.34	11.11	0.46	15.11
1976	3.59	0.38	10.85	0.53	15.35
1977	4.02	0.43	11.22	0.49	16.16
1978	4.47	0.53	12.60	0.46	18.05
1979	4.55	0.54	12.92	0.52	18.53
1980	4.55	0.53	12.65	0.61	18.33
1981	4.32	0.47	12.64	0.68	18.11
1982	4.39	0.40	13.58	0.77	19.14
1983	4.55	0.45	14.57	0.90	20.47
1984	4.94	0.46	16.09	0.90	22.40
1985	5.38	0.48	17.33	0.96	24.15
1986	5.62	0.51	17.74	0.98	24.85
1987	5.77	0.52	18.86	1.04	26.19
1988	5.87	0.53	19.57	1.10	27.07
1989	5.92	0.55	19.67	1.10	27.23

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

China

Exploration, Drilling & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Active Drilling Rigs (Offshore)	(Number)	12	9	10	10	9	14	7	4	8	4	3
Well Completions	(Total)	NA	NA	NA	NA	NA	5,555	5,525	5,721	5,835	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	20,000	20,500	19,895	19,485	19,100	19,100	18,420	16,400	18,400	23,550	24,000
Nat. Gas Reserves, Beginning of Year	(bcf)	25,000	24,500	24,400	29,800	30,300	30,900	30,000	30,000	30,700	31,700	35,300
Crude Oil Production	(000 b/d)	2,108	2,013	2,040	2,102	2,262	2,450	2,553	2,671	2,726	2,752	2,758
Nat. Gas Production	(bcf)	526	528	532	554	596	653	683	724	715	580	518
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	1,600	1,810	1,810	2,000	2,050	2,050	2,050	2,200	2,200	2,200	2,200
Crude Refining Throughput	(000 b/d)	1,430	1,395	1,520	1,600	1,765	1,785	1,865	1,950	2,035	2,110	2,130
Crude Excess Refining Capacity	(000 b/d)	170	415	290	400	285	265	185	250	165	90	70
Crude Refinery Utilization Rate	(Percent)	89	77	84	80	86	87	91	89	93	96	97
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	292	235	237	265	240	355	365	372	422	NA	NA
Middle Distillate Demand	(000 b/d)	511	400	327	359	268	400	436	493	508	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	600	590	530	510	512	525	636	698	653	NA	NA
Total Product Demand	(000 b/d)	1,834	1,675	1,661	1,722	1,720	1,740	1,920	2,075	2,150	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	280	291	304	305	447	623	570	581	550	NA	NA
Pet Product Exports	(000 b/d)	48	77	80	59	135	148	180	111	105	NA	NA
Total Pet Exports	(000 b/d)	328	368	384	364	582	771	750	692	655	NA	NA
Crude Oil Imports	(000 b/d)	0	10	13	7	5	5	7	35	39	NA	NA
Pet Product Imports	(000 b/d)	3	2	3	1	5	4	40	41	63	NA	NA
Total Pet Imports	(000 b/d)	3	12	16	8	10	9	47	76	102	NA	NA
Net Crude Imports (Exports)	(000 b/d)	(280)	(281)	(291)	(298)	(442)	(618)	(563)	(546)	(511)	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	(45)	(75)	(77)	(58)	(130)	(144)	(140)	(70)	(42)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	(325)	(356)	(368)	(356)	(572)	(762)	(703)	(616)	(553)	NA	NA
Total Pet Imports, % of Demand	(Percent)	0.08	0.36	0.48	0.23	0.57	0.25	1.20	1.82	2.34	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	(9.03)	(10.53)	(11.08)	(10.39)	(32.82)	(21.46)	(17.89)	(14.72)	(12 68)	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

China

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	15	15	13	13	13	13	4	4	4	4	4	4	9
Total	15	15	13	13	13	13	4	4	4	4	4	4	9
1982													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	8	8	10	10	11	11	11	11	7	10	12	12	10
Total	8	8	10	10	11	11	11	11	7	10	12	12	10
1983													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	9	9	10	10	10	11	11	11	10	8	8	9	10
Total	9	9	10	10	10	11	11	11	10	8	8	9	10
1984													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	5	7	7	10	10	10	10	10	10	10	10	14	9
Total	5	7	7	10	10	10	10	10	10	10	10	14	9
1985													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	15	15	15	15	15	16	12	13	13	12	12	12	14
Total	15	15	15	15	15	16	12	13	13	12	12	12	14
1986													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	12	12	12	8	3	3	3	3	3	6	8	10	7
Total	12	12	12	8	3	3	3	3	3	6	8	10	7
1987													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	9	4	3	3	3	8	1	1	0	0	11	7	4
Total	9	4	3	3	3	8	1	1	0	0	11	7	4
1988													
Land	0	0	0	0	0	0	0	0	0	1	0	0	0
Offshore	8	9	9	13	10	10	12	5	5	4	4	5	8
Total	8	9	9	13	10	10	12	5	5	5	4	5	8
1989													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	5	5	5	5	5	4	5	5	2	3	3	3	4
Total	5	5	5	5	5	4	5	5	2	3	3	3	4
1990													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	2	2	3	3	3	3	3	3	3	3	2	3	3
Total	2	2	3	3	3	3	3	3	3	3	2	3	3

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	210	210	210	210	210	210	210	210	210	210	210	210	210.0
1971	210	210	210	210	240	240	240	240	540	540	520	520	326.7
1972	520	520	520	520	520	520	520	520	520	520	510	600	525.8
1973	600	600	600	600	600	600	630	630	630	700	700	860	645.8
1974	860	860	860	860	900	900	900	900	900	1,200	1,200	1,300	970.0
1975	1,300	1,300	1,300	1,300	1,300	1,300	1,550	1,550	1,550	1,650	1,650	1,650	1,450.0
1976	1,650	1,500	1,525	1,650	1,650	1,650	1,650	1,650	1,650	1,750	1,750	1,750	1,652.1
1977	1,750	1,750	1,750	1,750	1,750	1,750	1,760	1,760	1,800	1,850	1,850	1,850	1,780.8
1978	1,850	1,850	1,850	1,900	1,900	1,900	1,900	1,900	1,950	2,000	2,000	2,000	1,916.7
1979	2,100	2,100	2,100	2,150	2,100	2,100	2,100	2,100	2,100	2,200	2,200	2,200	2,129.2
1980	2,100	2,100	2,100	2,100	2,100	2,100	2,150	2,150	2,150	2,125	2,125	2,000	2,108.3
1981	2,020	2,020	2,020	2,020	2,020	2,020	2,010	2,010	2,010	2,000	2,000	2,000	2,012.5
1982	2,040	2,040	2,040	2,040	2,040	2,040	2,040	2,040	2,040	2,040	2,040	2,040	2,040.0
1983	2,085	2,094	2,097	2,097	2,097	2,107	2,107	2,107	2,107	2,107	2,107	2,107	2,101.6
1984	2,198	2,198	2,202	2,222	2,222	2,222	2,222	2,299	2,299	2,336	2,336	2,390	2,262.2
1985	2,390	2,390	2,390	2,390	2,474	2,474	2,474	2,474	2,474	2,474	2,496	2,496	2,449.7
1986	2,496	2,496	2,496	2,496	2,530	2,530	2,530	2,560	2,560	2,560	2,690	2,690	2,552.8
1987	2,690	2,690	2,690	2,690	2,647	2,647	2,647	2,647	2,647	2,647	2,700	2,707	2,670.8
1988	2,707	2,707	2,707	2,707	2,687	2,687	2,687	2,695	2,765	2,788	2,788	2,788	2,726.1
1989	2,788	2,788	2,690	2,690	2,700	2,700	2,739	2,773	2,806	2,834	2,771	2,747	2,752.2
1990	2,739	2,767	2,767	2,757	2,757	2,751	2,750	2,750	2,750	2,750	2,766	2,790	2,757.8

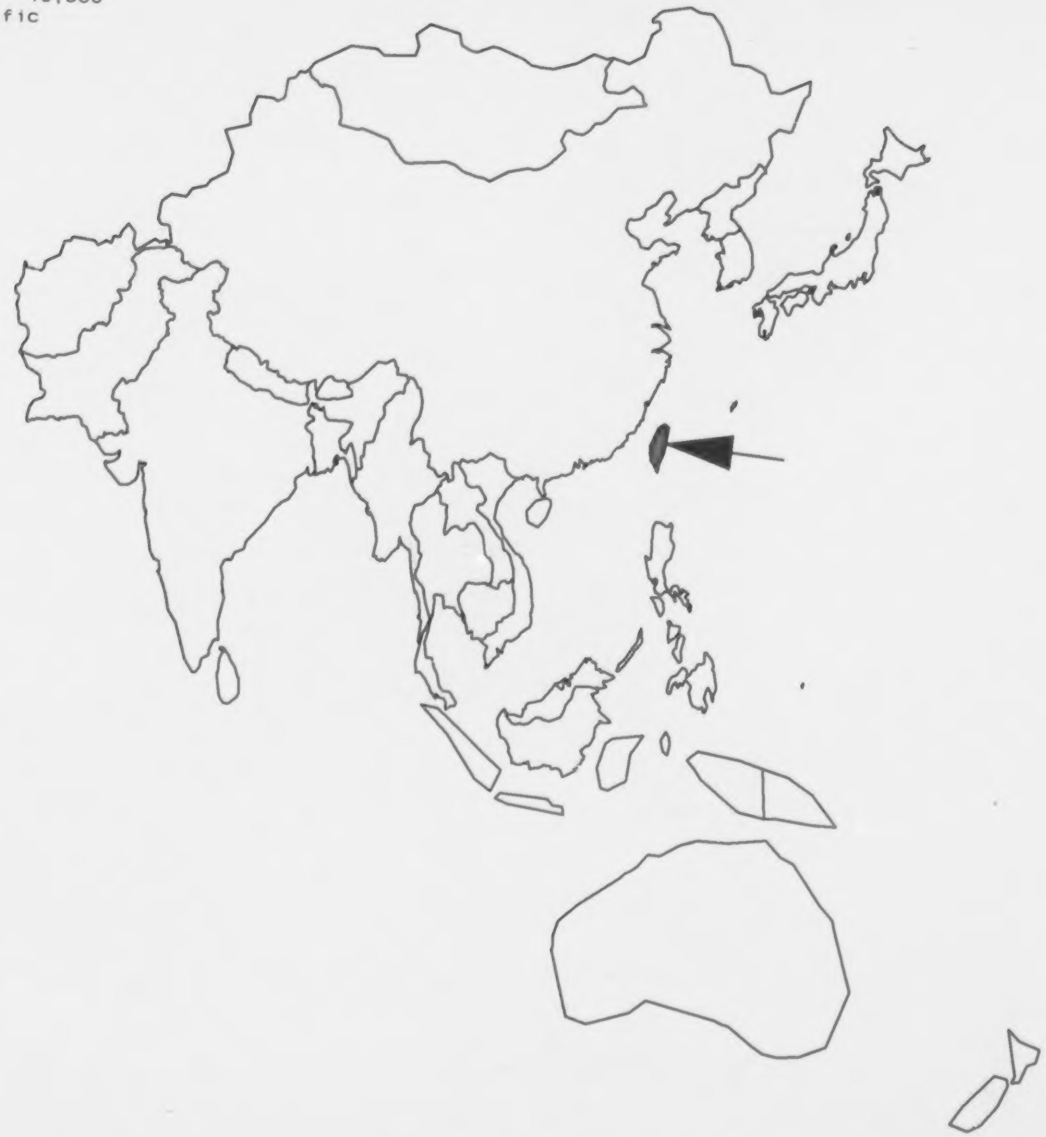
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	13.4	13.0	13.0	13.0	12.6	12.6	12.0	12.0	11.8	11.6	12.1	12.4	149.5
1972	12.6	10.1	9.8	10.0	11.2	12.1	11.2	12.1	13.0	12.4	12.2	13.4	140.1
1973	15.0	14.9	16.0	14.0	12.9	12.0	11.2	11.9	12.4	13.0	12.8	12.0	158.1
1974	13.2	14.9	15.6	16.0	15.9	16.0	17.1	16.8	16.0	15.6	14.8	15.6	187.5
1975	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	368.4
1976	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	414.0
1977	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	464.4
1978	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	517.2
1979	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	526.8
1980	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	525.6
1981	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	528.0
1982	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	531.6
1983	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	554.4
1984	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	596.4
1985	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	652.8
1986	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	682.8
1987	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.6	723.9
1988	60.6	56.7	60.6	58.6	60.6	58.6	60.6	60.6	58.6	60.6	58.6	60.6	715.3
1989	60.6	54.7	60.6	58.6	42.5	42.5	43.9	43.9	42.5	43.9	42.5	43.9	580.1
1990	43.9	39.7	43.9	42.5	43.9	42.5	43.9	43.9	42.5	43.9	42.5	44.6	517.7

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

China, Taiwan

Size (Square Miles): 13,900
Location: Asia-Pacific



China, Taiwan

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Nuclear Electric Power
1980	0.82	0.08
1981	0.73	0.11
1982	0.70	0.13
1983	0.72	0.19
1984	0.81	0.24
1985	0.79	0.28
1986	0.85	0.26
1987	0.88	0.33
1988	1.02	0.30
1989	1.11	0.27

	Nuclear Electric Power Production
1973	0.00
1974	0.00
1975	0.00
1976	0.00
1977	*
1978	0.03
1979	0.06
1980	0.08
1981	0.11
1982	0.13
1983	0.19
1984	0.24
1985	0.28
1986	0.26
1987	0.33
1988	0.30
1989	0.27

* Denotes less than 5 trillion Btu.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

China, Taiwan

Energy Consumption & Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Petroleum Consumption	(Quad BTU)	0.82	0.73	0.70	0.72	0.81	0.79	0.85	0.88	1.02	1.11	NA
Nuclear Electric Power Consumption	(Quad BTU)	0.08	0.11	0.13	0.19	0.24	0.28	0.26	0.33	0.30	0.27	NA
Nuclear Electric Power Production	(Quad BTU)	0.08	0.11	0.13	0.19	0.24	0.28	0.26	0.33	0.30	0.27	NA
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	12	11	4	5	6	7	7	4	4	5	3
Well Completions	(Total)	30	23	17	18	6	14	19	11	15	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	10	9	8	7	6	6	6	5	5	5	5
Nat. Gas Reserves, Beginning of Year	(bcf)	650	600	580	560	550	540	811	910	890	885	840
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	425	515	515	515	515	543	543	543	600	570	570
Ethylene Capacity	(000 Tons/Yr)	NA	690	690	690	955	953	953	953	953	953	953
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	36	36	40	48	48	52	54	61	63	NA	NA
Middle Distillate Demand	(000 b/d)	110	98	77	54	64	58	57	62	68	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	165	152	154	163	152	119	159	152	210	NA	NA
Total Product Demand	(000 b/d)	415	377	330	337	384	360	405	420	483	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	18	23	19	32	26	46	20	29	13	NA	NA
Total Pet Exports	(000 b/d)	18	23	19	32	26	46	20	29	13	NA	NA
Crude Oil Imports	(000 b/d)	364	343	326	346	356	327	343	385	399	NA	NA
Pet Product Imports	(000 b/d)	63	53	20	31	39	38	78	62	109	NA	NA
Total Pet Imports	(000 b/d)	427	396	346	377	395	365	421	447	508	NA	NA
Net Crude Imports (Exports)	(000 b/d)	364	343	326	346	356	327	343	385	399	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	45	30	1	(1)	13	(8)	58	33	96	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	409	373	327	345	369	319	401	418	495	NA	NA
Total Pet Imports, % of Demand	(Percent)	61.00	61.21	57.67	59.18	56.51	52.90	53.97	54.85	53.03	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	58.43	57.65	54.50	54.16	52.79	46.23	51.41	51.29	51.67	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

China, Taiwan

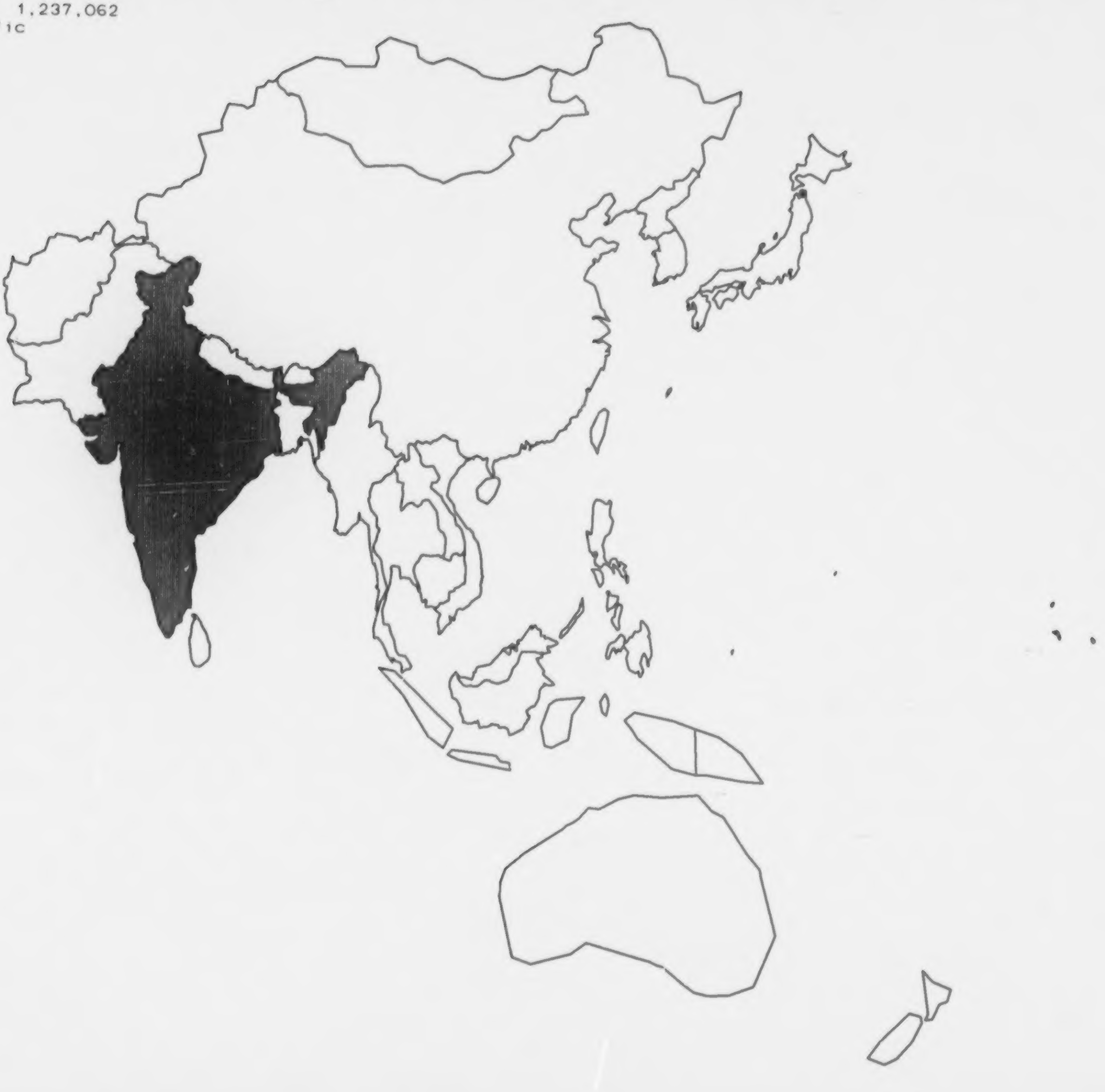
Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	11	11	11	11	11	11	11	11	9	6	6	11	10
Offshore	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	12	12	12	12	12	12	12	12	10	7	7	12	11
1982													
Land	5	4	3	5	4	5	6	5	1	0	0	0	3
Offshore	0	0	1	0	0	0	0	0	1	1	1	0	0
Total	5	4	4	5	4	5	6	5	2	1	1	0	4
1983													
Land	0	0	0	0	0	10	10	8	4	7	7	5	4
Offshore	0	0	0	0	0	1	1	1	1	1	1	0	1
Total	0	0	0	0	0	11	11	9	5	8	8	5	5
1984													
Land	3	2	5	5	5	3	3	3	6	9	9	7	5
Offshore	0	0	0	0	0	1	1	1	1	1	1	1	1
Total	3	2	5	5	5	4	4	4	7	10	10	8	6
1985													
Land	7	5	5	5	5	5	5	5	5	5	5	5	5
Offshore	1	2	2	2	2	2	2	2	2	2	2	2	2
Total	8	7	7	7	7	7	7	7	7	7	7	7	7
1986													
Land	5	5	5	5	5	5	5	5	5	6	6	6	5
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	7	7	7	7	7	7	7	7	7	8	8	8	7
1987													
Land	2	2	4	4	5	5	3	1	1	1	3	4	3
Offshore	2	2	2	2	2	1	1	1	1	1	1	2	2
Total	4	4	6	6	7	6	4	2	2	2	4	6	5
1988													
Land	2	1	1	3	3	4	4	1	2	2	2	3	2
Offshore	2	2	4	2	2	2	2	2	2	2	2	1	2
Total	4	3	5	5	5	6	6	3	4	4	4	4	4
1989													
Land	3	4	4	3	4	4	3	4	3	4	4	4	4
Offshore	0	1	2	2	2	1	1	1	1	1	1	1	1
Total	3	5	6	5	6	5	4	5	4	5	5	5	5
1990													
Land	4	4	3	2	0	3	3	3	2	2	2	2	3
Offshore	1	1	2	2	2	0	0	0	0	0	1	1	1
Total	5	5	5	4	2	3	3	3	2	2	3	3	4

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

India

Size (Square Miles): 1,237,062
Location: Asia-Pacific



India

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	535,000	548,000	560,000	573,000	586,000	600,000	613,000	628,000	642,000	657,000	672,000
GNP (Mill US Dollars)	53,560	57,307	61,895	65,863	79,345	91,566	90,855	94,821	112,126	126,918	141,856
GNP per Capita (US Dollars)	100	110	110	110	130	140	170	160	170	190	200
Consumer Price Index (1987=100)	24.3	25.6	26.4	28.1	32.8	42.2	44.6	41.2	44.6	45.8	48.6

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	687,000	703,000	718,000	734,000	750,000	765,000	782,000	799,000	816,000	833,000
GNP (Mill US Dollars)	172,598	178,578	183,738	199,544	192,565	212,990	227,326	253,932	267,155	260,450
GNP per Capita (US Dollars)	240	270	280	280	280	290	290	310	340	340
Consumer Price Index (1987=100)	54.2	61.3	66.1	73.9	80.1	84.5	91.9	100.0	109.4	116.1

Data from Oil & Gas Journal Energy Database.
Source: World Bank

India

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	1.37	0.05	2.23	0.48	0.03	4.17
1981	1.55	0.07	2.56	0.52	0.03	4.73
1982	1.56	0.10	2.63	0.50	0.02	4.81
1983	1.63	0.11	2.81	0.52	0.04	5.11
1984	1.74	0.12	2.97	0.56	0.04	5.43
1985	1.87	0.14	3.56	0.52	0.05	6.14
1986	1.99	0.19	3.91	0.55	0.06	6.70
1987	2.07	0.23	3.73	0.49	0.06	6.57
1988	2.29	0.32	3.73	0.53	0.06	6.93
1989	2.51	0.33	3.73	0.58	0.04	7.19

Production

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	0.31	NA	1.57	0.30	0.02	2.22
1974	0.33	NA	1.70	0.29	0.03	2.36
1975	0.35	0.03	1.93	0.34	0.03	2.68
1976	0.37	0.04	2.08	0.36	0.03	2.88
1977	0.42	0.05	2.06	0.39	0.03	2.95
1978	0.47	0.06	2.09	0.49	0.02	3.14
1979	0.51	0.04	2.24	0.47	0.03	3.30
1980	0.38	0.05	2.41	0.48	0.03	3.36
1981	0.68	0.07	2.80	0.52	0.03	4.10
1982	0.82	0.09	3.00	0.50	0.02	4.43
1983	1.00	0.11	3.21	0.52	0.04	4.88
1984	1.09	0.12	3.41	0.56	0.04	5.21
1985	1.30	0.14	3.51	0.53	0.05	5.52
1986	1.32	0.19	3.85	0.55	0.06	5.96
1987	1.27	0.23	3.65	0.49	0.06	5.70
1988	1.33	0.32	3.65	0.53	0.06	5.89
1989	1.41	0.33	3.70	0.58	0.04	6.05

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

India

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	43	44	50	56	57	62	70	116	131	135	137
Well Completions	**(Total)**	34	51	NA	NA	185	217	164	316	351	NA	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	2,600	2,580	2,672	3,416	3,485	3,500	3,736	4,203	4,250	6,354	7,516
Nat. Gas Reserves, Beginning of Year	**(bcf)**	9,300	12,000	12,430	14,508	14,826	15,000	16,880	17,550	17,550	22,861	22,973
Crude Oil Production	**(000 b/d)**	193	291	390	430	528	605	625	610	635	676	663
Nat. Gas Production	**(bcf)**	75	47	83	103	103	111	213	269	312	372	528
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	557	557	557	753	779	705	867	991	1,059	1,051	1,080
Ethylene Capacity	**(000 Tons/Yr)**	NA	254	239	251	252	252	252	256	256	257	257
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	35	37	42	78	77	54	58	65	66	NA	NA
Middle Distillate Demand	**(000 b/d)**	231	241	262	278	296	362	351	385	417	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	132	171	130	139	84	69	157	155	186	NA	NA
Total Product Demand	**(000 b/d)**	643	729	710	773	763	895	947	988	1,084	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	0	0	91	104	129	60	0	0	0	NA	NA
Pet Product Exports	**(000 b/d)**	2	2	14	7	17	44	54	76	53	NA	NA
Total Pet Exports	**(000 b/d)**	2	2	105	111	146	104	54	76	53	NA	NA
Crude Oil Imports	**(000 b/d)**	325	307	339	319	292	296	309	366	354	NA	NA
Pet Product Imports	**(000 b/d)**	138	102	105	86	123	81	60	82	137	NA	NA
Total Pet Imports	**(000 b/d)**	463	409	444	405	415	377	369	448	491	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	325	307	248	215	163	236	309	366	354	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	136	100	91	79	106	37	6	6	84	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	461	407	339	294	269	273	315	372	438	NA	NA
Natural Gas Exports	**(bcf)**	NA	NA	NA	0	0	0	0	0	0	NA	NA
Natural Gas Imports	**(bcf)**	NA	NA	NA	0	0	0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

India

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	38	37	37	37	37	37	37	37	37	37	37	37	37
Offshore	6	7	7	7	7	7	7	7	8	8	6	7	7
Total	44	44	44	44	44	44	44	44	45	45	43	44	44
1982													
Land	41	41	40	40	40	40	40	40	40	41	41	42	41
Offshore	8	8	7	7	7	10	11	11	11	10	12	12	10
Total	49	49	47	47	47	50	51	51	51	51	53	54	51
1983													
Land	42	42	42	42	42	42	42	41	41	41	41	41	42
Offshore	12	12	12	13	14	14	14	15	16	17	17	17	14
Total	54	54	54	55	56	56	56	56	57	58	58	58	56
1984													
Land	41	41	40	40	40	40	40	40	40	40	40	40	40
Offshore	17	16	16	16	16	16	17	17	17	17	17	16	17
Total	58	57	56	56	56	56	57	57	57	57	57	56	57
1985													
Land	40	40	40	49	49	49	49	49	49	49	49	49	47
Offshore	16	16	17	15	15	15	15	15	15	15	15	15	15
Total	56	56	57	64	64	64	64	64	64	64	64	64	62
1986													
Land	49	49	49	49	49	49	49	49	49	70	70	74	55
Offshore	15	15	12	13	14	14	13	13	14	19	19	21	15
Total	64	64	61	62	63	63	62	62	63	89	89	95	70
1987													
Land	81	81	92	93	93	96	96	98	100	100	99	99	94
Offshore	23	23	22	24	25	22	22	21	20	20	22	22	22
Total	104	104	114	117	118	118	118	119	120	120	121	121	116
1988													
Land	105	105	104	106	106	97	101	107	104	109	100	128	106
Offshore	22	28	28	24	24	26	27	26	26	26	26	13	25
Total	127	133	132	130	130	123	128	133	130	135	126	141	131
1989													
Land	111	111	110	110	114	114	114	114	104	108	109	109	111
Offshore	26	26	21	21	23	23	23	23	20	31	29	30	25
Total	137	137	131	131	137	137	137	137	124	139	138	139	136
1990													
Land	107	107	109	109	110	109	109	110	114	110	114	111	110
Offshore	29	29	29	29	30	28	31	23	23	26	24	24	27
Total	136	136	138	138	140	137	140	133	137	136	138	135	137

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

India

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	150	150	150	140	140	140	140	135	130	130	130	130	138.8
1971	140	140	140	130	130	147	145	145	145	145	145	145	141.4
1972	145	145	145	145	145	150	150	150	150	150	150	150	147.9
1973	150	150	150	150	150	150	150	150	150	140	150	150	149.2
1974	150	150	150	150	150	150	150	150	150	150	150	150	150.0
1975	150	155	155	155	165	165	165	165	165	165	165	165	161.3
1976	165	175	175	175	175	175	175	175	175	175	175	175	174.2
1977	200	200	200	200	200	200	200	200	200	200	200	200	200.0
1978	210	220	225	225	225	225	230	230	230	230	230	230	225.8
1979	230	230	230	250	250	250	250	250	250	250	250	250	245.0
1980	185	185	185	185	185	185	180	180	180	180	180	300	192.5
1981	231	294	290	300	297	290	290	300	300	300	300	300	291.0
1982	373	373	373	393	393	393	395	395	395	400	400	400	390.3
1983	400	400	400	420	420	420	440	440	440	460	460	460	430.0
1984	470	470	470	470	470	570	570	570	570	570	570	570	528.3
1985	600	600	600	600	600	600	600	600	600	615	625	625	605.4
1986	630	627	625	637	640	602	620	596	641	612	640	630	625.0
1987	620	618	620	621	624	583	607	607	608	593	621	602	610.3
1988	618	617	638	624	647	640	630	628	634	647	660	635	634.8
1989	640	658	695	681	680	691	671	670	675	668	690	690	675.8
1990	692	700	700	700	682	659	672	630	675	604	660	650	668.7

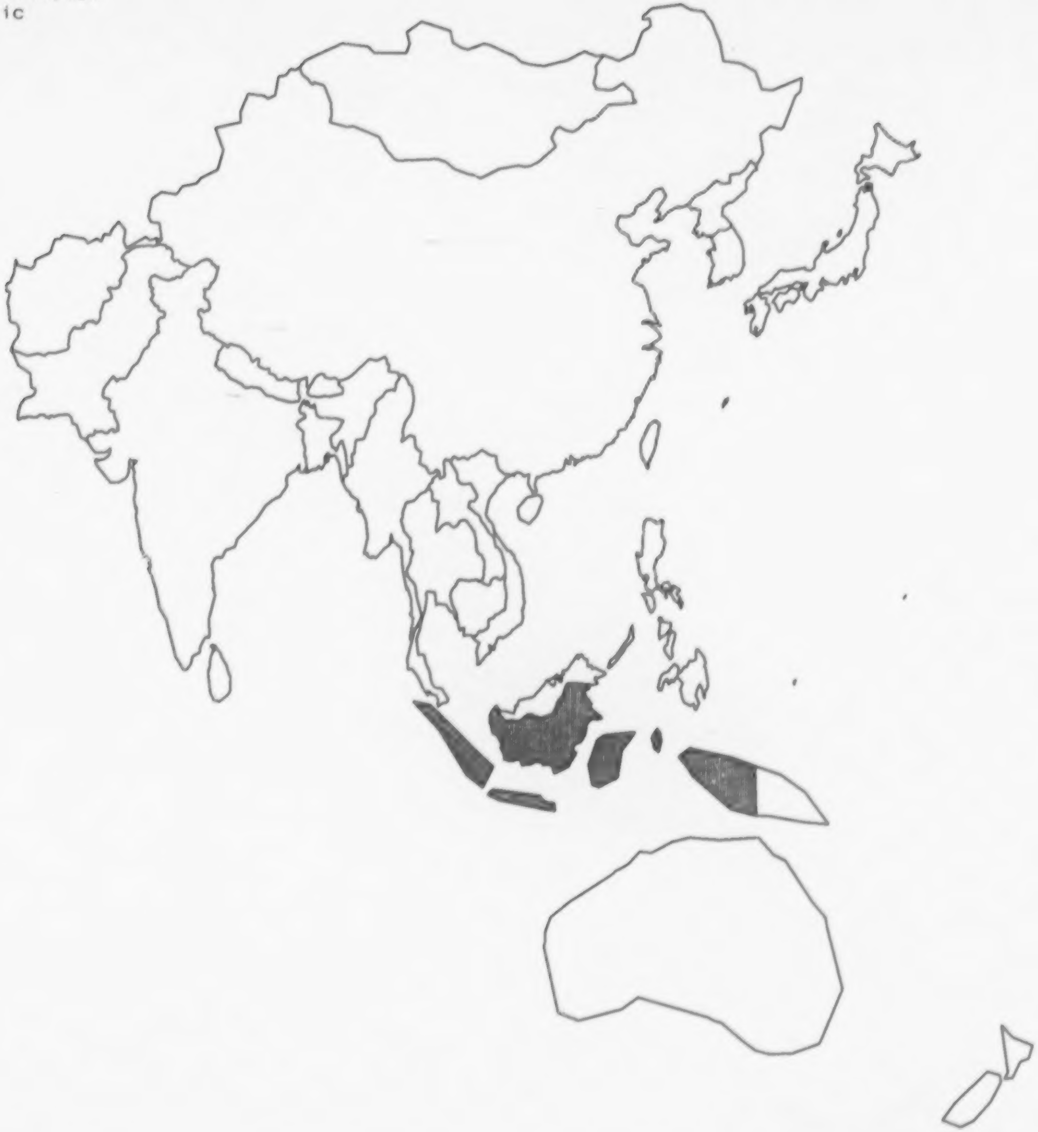
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	1.6	1.7	1.6	1.4	1.2	1.4	1.3	1.2	1.4	1.2	1.0	1.0	16.0
1972	0.9	0.8	0.7	0.6	1.2	1.1	1.2	4.6	5.3	13.5	4.6	1.4	35.9
1973	1.4	4.5	1.6	1.5	1.1	1.0	1.1	1.2	1.1	1.0	2.0	1.0	18.5
1974	2.2	1.9	2.0	1.8	1.6	2.1	1.8	0.2	0.4	1.5	1.4	1.6	18.5
1975	2.2	2.9	2.9	3.0	3.2	3.9	3.8	2.8	2.6	2.5	3.1	3.1	36.0
1976	3.1	4.1	3.2	3.2	3.2	3.2	3.3	3.8	3.5	3.5	3.7	3.7	41.5
1977	3.6	3.6	3.7	3.7	3.2	6.3	4.0	3.5	3.8	4.2	6.3	6.0	51.9
1978	5.8	6.0	4.0	4.0	3.5	3.1	3.1	3.3	6.2	6.2	6.0	3.7	54.9
1979	3.8	3.4	4.7	4.0	4.4	4.4	5.4	5.4	6.3	4.9	4.4	4.0	55.1
1980	4.5	5.6	11.1	11.1	11.1	5.6	4.4	4.9	4.6	4.0	4.0	4.0	74.9
1981	5.3	5.0	5.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	47.3
1982	6.0	7.0	7.1	6.3	6.9	6.8	7.3	7.3	7.0	7.3	7.2	7.2	83.4
1983	8.7	8.2	8.7	8.6	8.7	8.6	8.7	8.7	8.4	8.7	8.4	8.5	102.9
1984	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.0	102.5
1985	9.0	9.0	9.0	9.0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	8.1	110.6
1986	10.2	15.9	17.7	16.2	19.7	19.0	14.2	18.1	17.7	22.7	22.3	19.2	212.9
1987	21.8	18.3	21.1	20.9	21.9	21.2	23.6	24.4	23.5	24.8	23.0	24.6	269.1
1988	25.2	23.9	25.6	23.8	24.7	25.1	26.1	25.6	25.2	28.7	27.9	30.4	312.2
1989	30.8	27.4	26.8	27.4	25.4	30.7	32.7	32.8	30.5	32.7	37.9	37.2	372.3
1990	38.2	33.3	128.2	31.1	35.7	34.5	38.3	37.6	36.4	35.9	38.6	39.8	527.6

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Indonesia

Size (Square Miles): 741,101
Location: Asia-Pacific



Indonesia

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	115,000	118,000	120,000	123,000	126,000	130,000	133,000	136,000	139,000	142,000	145,000
GNP (Mill US Dollars)	8,856	9,699	9,858	11,460	16,872	26,467	31,335	38,848	47,588	53,258	52,736
GNP per Capita (US Dollars)	70	80	90	90	110	150	210	270	320	380	400
Consumer Price Index (1987=100)	9.9	11.1	11.6	12.3	16.2	22.8	27.1	32.5	36.0	39.0	46.1

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	148,000	152,000	155,000	158,000	161,000	165,000	168,000	171,000	175,000	178,000
GNP (Mill US Dollars)	74,805	89,421	90,129	81,716	83,555	83,795	76,842	72,278	80,158	89,371
GNP per Capita (US Dollars)	470	550	610	610	580	540	520	490	480	500
Consumer Price Index (1987=100)	54.4	61.1	66.9	74.8	82.6	86.5	91.5	100.0	108.0	115.0

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Indonesia

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Other	Primary Energy
1980	0.85	0.20	0.05	1.10
1981	0.95	0.24	0.05	1.24
1982	1.00	0.23	0.05	1.28
1983	0.99	0.32	0.07	1.38
1984	0.99	0.38	0.07	1.44
1985	0.97	0.54	0.09	1.60
1986	0.98	0.46	0.14	1.58
1987	1.03	0.57	0.16	1.76
1988	1.10	0.50	0.13	1.73
1989	1.15	0.52	0.13	1.80

Production

	Petroleum	Natural Gas	Coal	Primary Energy
1973	2.85	0.03	NA	2.90
1974	2.93	0.04	NA	2.99
1975	2.78	0.09	0.01	2.89
1976	3.23	0.13	*	3.38
1977	3.61	0.21	0.01	3.85
1978	3.47	0.21	0.01	3.71
1979	3.39	0.41	0.01	3.83
1980	3.47	0.66	0.01	4.17
1981	3.56	0.69	0.01	4.29
1982	2.93	0.70	0.01	3.68
1983	2.95	0.81	0.02	3.84
1984	3.08	1.11	0.03	4.27
1985	2.85	1.29	0.05	4.24
1986	2.95	1.24	0.06	4.33
1987	2.85	1.35	0.07	4.36
1988	2.86	1.41	0.07	4.42
1989	3.05	1.45	0.07	4.66

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Indonesia

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	77	86	92	88	82	80	62	37	44	46	52
Well Completions	**(Total)**	635	727	323	702	756	658	647	586	NA	599	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	9,600	9,500	9,800	9,550	9,100	8,650	8,500	8,300	8,400	8,250	8,200
Nat. Gas Reserves, Beginning of Year	**(bcf)**	24,000	23,500	27,400	29,600	30,200	40,000	35,600	49,440	73,000	83,590	87,015
Crude Oil Production	**(000 b/d)**	1,571	1,604	1,345	1,301	1,361	1,242	1,257	1,186	1,138	1,223	1,284
Nat. Gas Production	**(bcf)**	1,028	1,075	866	488	596	944	1,153	1,220	1,224	1,346	1,248
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	528	445	498	341	387	631	636	636	714	714	714
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	65	72	71	67	65	67	77	84	90	NA	NA
Middle Distillate Demand	**(000 b/d)**	131	148	160	165	165	140	155	171	191	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	43	47	53	70	70	50	66	73	69	NA	NA
Total Product Demand	**(000 b/d)**	408	441	479	482	480	475	470	493	524	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	1,237	1,470	1,179	1,021	1,034	908	897	800	756	NA	NA
Pet Product Exports	**(000 b/d)**	135	95	121	121	193	150	161	187	204	NA	NA
Total Pet Exports	**(000 b/d)**	1,372	1,565	1,300	1,142	1,227	1,058	1,058	987	960	NA	NA
Crude Oil Imports	**(000 b/d)**	89	101	124	70	93	74	76	83	83	NA	NA
Pet Product Imports	**(000 b/d)**	182	218	239	160	117	29	15	28	36	NA	NA
Total Pet Imports	**(000 b/d)**	271	319	363	230	210	103	91	111	119	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	(1,148)	(1,369)	(1,055)	(951)	(941)	(834)	(821)	(717)	(673)	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	47	123	118	39	(76)	(121)	(146)	(159)	(168)	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	(1,101)	(1,246)	(937)	(912)	(1,017)	(955)	(967)	(876)	(841)	NA	NA
Total Pet Imports, % of Demand	**(Percent)**	33.13	35.80	38.45	24.68	21.99	11.02	9.73	11.18	11.34	NA	NA
Net Tot Pet Impts (Expts), % of Demand	**(Percent)**	(134.60)	(139.84)	(99.26)	(97.85)	(106.49)	(102.14)	(103.42)	(88.22)	(80.17)	NA	NA
Natural Gas Exports	**(bcf)**	435	424	452	475	694	715	739	749	869	NA	NA
Natural Gas Imports	**(bcf)**	0	0	0	0	0	0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc.,
British Petroleum, Energy Information Administration, Oil & Gas Journal

Indonesia

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	61	61	60	60	60	60	59	59	60	60	59	60	60
Offshore	24	24	25	25	25	25	27	27	30	29	28	29	27
Total	85	85	85	85	85	85	86	86	90	89	87	89	87
1982													
Land	58	64	63	58	61	63	49	61	60	58	60	60	60
Offshore	29	30	31	28	37	32	33	33	36	33	33	33	32
Total	87	94	94	86	98	95	82	94	96	91	93	93	92
1983													
Land	57	56	64	62	62	67	67	60	66	66	62	57	62
Offshore	33	30	23	24	24	23	24	24	27	25	25	24	26
Total	90	86	87	86	86	90	91	84	93	91	87	81	88
1984													
Land	57	58	57	56	56	54	54	54	54	56	56	55	56
Offshore	24	28	24	27	27	27	28	28	28	24	24	24	26
Total	81	86	81	83	83	81	82	82	82	80	80	79	82
1985													
Land	59	59	59	59	55	55	55	55	55	54	54	54	56
Offshore	29	29	29	27	24	24	24	24	24	18	19	20	24
Total	88	88	88	86	79	79	79	79	79	72	73	74	80
1986													
Land	54	54	51	46	46	43	43	39	39	36	25	25	42
Offshore	20	20	23	23	23	23	22	20	20	17	17	15	20
Total	74	74	74	69	69	66	65	59	59	53	42	40	62
1987													
Land	27	27	27	27	27	27	25	24	17	21	20	31	25
Offshore	15	15	14	14	10	9	7	10	11	12	14	11	12
Total	42	42	41	41	37	36	32	34	28	33	34	42	37
1988													
Land	31	31	33	33	33	29	33	34	33	33	33	34	33
Offshore	11	11	11	9	10	11	13	12	12	12	12	10	11
Total	42	42	44	42	43	40	46	46	45	45	45	44	44
1989													
Land	34	34	39	39	39	35	35	35	38	36	37	32	36
Offshore	10	10	8	8	8	9	9	9	11	11	11	14	10
Total	44	44	47	47	47	44	44	44	49	47	48	46	46
1990													
Land	35	37	34	34	38	36	35	38	36	36	36	35	36
Offshore	14	14	17	17	16	16	17	16	16	16	18	19	16
Total	49	51	51	51	54	52	52	54	52	52	54	54	52

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Indonesia

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	833	865	828	816	850	865	862	857	846	873	881	880	854.6
1971	900	897	893	893	886	887	880	902	926	943	924	914	903.7
1972	931	981	1,089	1,104	1,039	1,056	800	1,117	1,160	1,140	1,142	1,121	1,056.5
1973	1,124	1,163	1,181	1,222	1,325	1,350	1,334	1,355	1,350	1,406	1,391	1,400	1,300.1
1974	1,450	1,435	1,440	1,500	1,530	1,488	1,450	1,350	1,350	1,250	1,250	1,230	1,393.6
1975	1,345	1,350	1,204	1,230	1,110	1,270	1,338	1,385	1,389	1,369	1,423	1,421	1,319.5
1976	1,427	1,458	1,523	1,530	1,515	1,480	1,500	1,513	1,498	1,541	1,503	1,583	1,505.9
1977	1,628	1,700	1,700	1,700	1,695	1,698	1,697	1,676	1,669	1,638	1,707	1,719	1,685.6
1978	1,701	1,706	1,706	1,685	1,699	1,650	1,578	1,616	1,587	1,611	1,591	1,590	1,643.3
1979	1,600	1,619	1,630	1,613	1,600	1,615	1,609	1,599	1,578	1,575	1,575	1,570	1,598.6
1980	1,563	1,552	1,574	1,552	1,550	1,574	1,559	1,568	1,578	1,585	1,621	1,573	1,570.8
1981	1,631	1,621	1,633	1,615	1,613	1,607	1,603	1,592	1,588	1,588	1,573	1,581	1,603.8
1982	1,475	1,450	1,490	1,244	1,240	1,306	1,300	1,240	1,300	1,372	1,400	1,320	1,344.8
1983	1,300	944	1,100	1,200	1,312	1,307	1,300	1,350	1,400	1,400	1,560	1,440	1,301.1
1984	1,340	1,410	1,430	1,300	1,400	1,400	1,302	1,298	1,300	1,300	1,450	1,400	1,360.8
1985	1,400	1,305	1,302	1,300	1,200	1,000	1,200	1,200	1,200	1,200	1,300	1,300	1,242.3
1986	1,200	1,300	1,300	1,400	1,300	1,300	1,300	1,220	1,189	1,189	1,193	1,189	1,256.7
1987	1,130	1,100	1,100	1,180	1,170	1,200	1,250	1,300	1,200	1,200	1,200	1,200	1,185.8
1988	1,100	1,100	1,100	1,200	1,200	1,200	1,150	1,200	1,100	1,100	1,100	1,100	1,137.5
1989	1,200	1,200	1,200	1,200	1,200	1,200	1,250	1,250	1,250	1,200	1,275	1,250	1,222.9
1990	1,200	1,250	1,300	1,270	1,240	1,240	1,250	1,290	1,320	1,320	1,330	1,400	1,284.2

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	9.1	9.0	9.2	9.0	8.7	9.4	9.3	9.7	9.6	9.4	9.6	11.2	113.2
1972	11.2	11.0	10.0	9.9	11.6	12.4	12.0	11.0	11.7	11.6	12.3	12.7	137.4
1973	12.4	12.0	12.4	12.0	11.9	11.0	10.9	9.8	8.9	7.6	13.0	7.2	129.1
1974	13.4	13.7	13.7	12.0	15.5	14.0	16.1	1.7	13.7	17.1	18.2	17.5	166.6
1975	16.7	16.6	16.3	16.3	16.3	16.3	16.3	17.8	17.2	17.2	17.2	18.4	202.6
1976	17.1	16.4	19.1	19.2	19.1	19.1	19.9	22.4	23.4	23.4	24.8	24.7	248.6
1977	27.6	27.6	27.6	28.0	26.2	28.1	26.2	26.2	33.7	33.7	34.0	33.0	351.9
1978	32.6	33.4	33.7	46.1	51.1	51.1	51.1	38.8	40.0	62.8	62.1	63.0	565.8
1979	64.0	50.1	64.0	63.0	68.2	67.7	73.4	73.4	76.3	76.3	69.9	70.0	816.3
1980	79.7	79.7	75.0	79.4	79.4	82.7	87.7	99.4	99.4	100.0	83.0	83.0	1,028.4
1981	88.0	88.0	93.0	88.0	88.0	88.0	88.0	91.0	91.0	91.0	91.0	90.0	1,075.0
1982	92.0	103.0	98.3	87.9	100.6	57.8	57.8	57.8	57.8	57.8	47.4	47.4	865.6
1983	40.8	38.2	40.8	39.5	40.8	39.5	40.8	40.8	39.5	40.8	39.5	47.0	488.0
1984	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	61.0	65.0	596.0
1985	65.0	65.0	65.0	65.0	68.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	944.0
1986	97.0	87.6	97.0	93.9	97.0	93.9	97.0	97.0	93.9	97.0	102.3	99.7	1,153.3
1987	93.9	86.6	92.8	99.5	98.7	101.2	105.4	122.3	104.1	107.6	104.1	104.1	1,220.3
1988	95.4	95.4	104.1	104.1	104.1	104.1	99.8	108.8	99.7	99.7	99.7	108.8	1,223.7
1989	113.8	102.8	113.8	110.1	113.8	111.9	115.6	115.6	111.9	107.4	112.6	116.4	1,345.7
1990	116.4	117.0	5.3	121.2	108.0	104.5	108.9	112.4	111.3	115.0	112.1	115.8	1,247.9

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Indonesia

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	1.33	0.27	NA	0.23	NA	NA	11.40
1982	NA	NA	NA	NA	NA	NA	NA
1983	2.19	0.80	NA	0.55	NA	NA	28.98
1984	1.52	0.84	NA	0.63	0.68	NA	31.99
1985	1.55	0.72	NA	0.47	0.71	NA	32.53
1986	NA	NA	NA	NA	NA	NA	NA
1987	NA	NA	NA	NA	NA	NA	NA
1988	1.00	0.45	0.51	0.37	0.73	19.07	NA
1989	0.84	0.44	0.44	0.36	0.70	18.48	18.48
1990	0.81	0.42	0.42	0.35	0.67	17.65	17.65

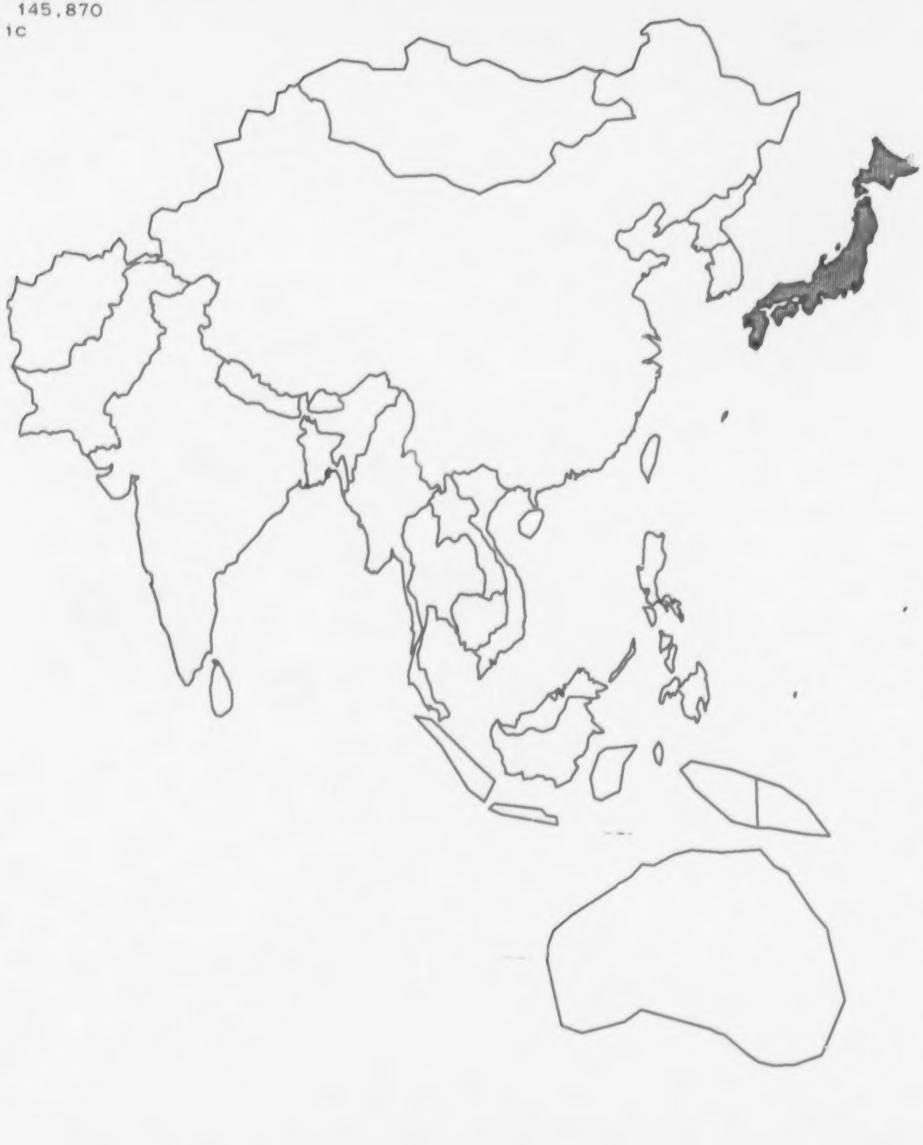
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Japan

Size (Square Miles): 145,870
Location: Asia-Pacific



Japan

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	103,000	104,000	106,000	107,000	108,000	110,000	112,000	113,000	114,000	115,000	116,000
GNP (Mill US Dollars)	172,406	203,300	230,704	304,783	414,133	448,031	499,225	561,177	690,961	971,655	1,012,252
GNP per Capita (US Dollars)	1,690	1,950	2,140	2,540	3,240	3,820	4,490	4,970	5,690	7,020	8,620
Consumer Price Index (1987=100)	34.1	36.7	39.0	40.9	45.7	56.3	62.9	68.8	74.4	77.6	80.4

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	117,000	118,000	118,000	119,000	120,000	121,000	121,000	122,000	123,000	123,000
GNP (Mill US Dollars)	1,058,913	1,164,492	1,082,903	1,181,239	1,256,538	1,330,762	1,965,666	2,387,251	2,860,773	2,836,634
GNP per Capita (US Dollars)	9,870	10,390	10,280	10,320	10,560	11,240	12,840	15,800	20,960	23,810
Consumer Price Index (1987=100)	86.7	91.0	93.5	95.2	97.4	99.4	100.0	100.0	100.7	103.0

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Japan

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	10.36	1.01	2.46	0.95	0.85	15.63
1981	10.04	0.95	2.71	0.83	0.89	15.43
1982	9.38	0.98	0.25	0.77	1.02	14.64
1983	8.97	1.07	2.47	0.85	1.13	14.50
1984	9.34	1.45	2.73	0.68	1.36	15.56
1985	8.90	1.50	2.95	0.81	1.59	15.75
1986	9.00	1.56	2.77	0.89	1.69	15.90
1987	9.08	1.58	2.95	0.80	2.01	16.42
1988	9.69	1.65	2.98	0.87	1.85	17.04
1989	10.11	1.72	2.98	0.87	1.86	17.54

Production

	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	0.10	0.57	0.74	0.10	1.53
1974	0.10	0.51	0.87	0.19	1.70
1975	0.09	0.59	0.88	0.23	1.82
1976	0.09	0.45	0.91	0.38	1.86
1977	0.11	0.45	0.79	0.29	1.65
1978	0.10	0.47	0.77	0.55	1.91
1979	0.04	0.43	0.88	0.63	2.00
1980	0.04	0.44	0.95	0.85	2.30
1981	0.04	0.43	0.83	0.89	2.21
1982	0.07	0.43	0.77	1.02	2.31
1983	0.08	0.41	0.85	1.13	2.48
1984	0.09	0.40	0.68	1.36	2.55
1985	0.10	0.39	0.81	1.59	2.91
1986	0.08	0.39	0.89	1.69	3.07
1987	0.08	0.31	0.80	2.01	3.24
1988	0.08	0.27	0.87	1.85	3.10
1989	0.08	0.24	0.87	1.86	3.07

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Japan

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	16	16	22	20	18	16	15	10	11	6	7
Well Completions	(Total)	24	34	30	27	38	27	24	13	13	11	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	55	52	70	60	58	56	62	57	57	55	61
Nat. Gas Reserves, Beginning of Year	(bcf)	600	500	800	720	900	720	1,100	1,090	1,030	1,410	1,116
Crude Oil Production	(000 b/d)	10	8	8	8	8	11	13	13	12	11	11
Nat. Gas Production	(bcf)	91	112	83	74	74	79	74	77	68	64	101
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	5,708	5,662	5,809	5,731	5,173	4,966	4,723	4,790	4,567	4,363	4,199
Crude Refining Throughput	(000 b/d)	4,015	3,630	3,360	3,255	3,355	3,120	2,990	2,910	2,990	3,175	3,465
Crude Excess Refining Capacity	(000 b/d)	1,494	1,824	2,241	2,293	1,665	1,693	1,623	1,772	1,475	1,086	626
Crude Refinery Utilization Rate	(Percent)	73	67	60	59	67	65	65	62	67	75	85
Ethylene Capacity	(000 Tons/Yr)	NA	6,123	5,777	6,354	5,996	5,581	5,418	5,357	4,295	4,458	5,011
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	595	606	609	615	620	628	643	656	677	NA	NA
Middle Distillate Demand	(000 b/d)	744	748	725	744	788	797	829	882	970	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	1,875	1,648	1,189	1,369	1,048	899	866	829	851	NA	NA
Total Product Demand	(000 b/d)	4,960	4,848	4,554	4,366	4,578	4,333	4,391	4,484	4,752	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	*	0	0	0	NA	NA
Pet Product Exports	(000 b/d)	12	10	35	62	72	75	84	113	102	NA	NA
Total Pet Exports	(000 b/d)	12	10	35	62	72	75	84	113	102	NA	NA
Crude Oil Imports	(000 b/d)	4,414	3,921	3,742	3,614	3,591	3,331	3,268	3,090	3,268	NA	NA
Pet Product Imports	(000 b/d)	683	567	749	841	1,027	1,058	1,207	1,407	1,514	NA	NA
Total Pet Imports	(000 b/d)	5,097	4,488	4,491	4,455	4,618	4,389	4,475	4,497	4,782	NA	NA
Net Crude Imports (Exports)	(000 b/d)	4,414	3,921	3,742	3,614	3,591	3,331	3,268	3,090	3,268	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	671	557	714	779	955	983	1,123	1,294	1,412	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	5,085	4,478	4,456	4,393	4,546	4,314	4,391	4,384	4,680	NA	NA
Total Pet Imports, % of Demand	(Percent)	51.51	47.03	50.18	50.88	50.21	50.06	50.36	50.06	50.04	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	51.39	46.92	49.79	50.17	49.42	49.20	49.41	48.80	48.97	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	870	832	866	936	1,282	1,329	1,397	1,419	1,492	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Japan

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	15	15	15	15	15	15	11	10	15	15	15	15	14
Offshore	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	17	17	17	17	17	17	13	12	17	17	17	17	16
1982													
Land	15	15	18	18	18	18	19	18	19	21	17	17	18
Offshore	6	6	6	6	6	6	0	1	2	2	2	2	4
Total	21	21	24	24	24	24	19	19	21	23	19	19	22
1983													
Land	17	17	16	16	16	16	21	20	19	19	19	19	18
Offshore	2	2	2	2	2	2	2	2	1	2	2	2	2
Total	19	19	18	18	18	18	23	22	20	21	21	21	20
1984													
Land	19	19	15	15	13	13	13	13	16	16	16	14	15
Offshore	2	3	3	3	3	3	3	3	3	3	3	3	3
Total	21	22	18	18	16	16	16	16	19	19	19	17	18
1985													
Land	13	13	13	13	13	12	12	11	11	11	11	11	12
Offshore	4	4	4	4	4	4	4	3	3	3	3	3	4
Total	17	17	17	17	17	16	16	14	14	14	14	14	16
1986													
Land	11	11	11	11	7	10	10	14	14	13	15	13	12
Offshore	3	3	3	3	5	5	5	5	5	1	0	0	3
Total	14	14	14	14	12	15	15	19	19	14	15	13	15
1987													
Land	8	7	8	5	8	8	13	14	13	12	12	12	10
Offshore	0	0	0	0	0	0	0	1	1	0	0	0	0
Total	8	7	8	5	8	8	13	15	14	12	12	12	10
1988													
Land	12	8	12	9	10	8	11	9	12	12	12	10	10
Offshore	0	0	0	0	0	1	1	1	0	0	0	0	0
Total	12	8	12	9	10	9	12	10	12	12	12	10	10
1989													
Land	8	5	4	4	5	4	5	5	6	6	6	6	5
Offshore	0	0	0	0	0	0	1	1	0	0	0	0	0
Total	8	5	4	4	5	4	6	6	6	6	6	6	5
1990													
Land	9	7	6	4	8	7	7	8	8	7	6	5	7
Offshore	0	0	0	0	0	1	1	1	1	1	1	1	1
Total	9	7	6	4	8	8	8	9	9	8	7	6	8

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	16	16	16	16	16	16	16	16	16	16	16	16	16.0
1971	16	16	16	16	17	17	17	17	16	16	16	16	16.3
1972	16	16	16	16	16	15	15	15	15	15	15	15	15.4
1973	15	15	15	15	15	15	15	15	15	15	15	15	15.0
1974	15	15	15	15	15	15	15	15	15	15	15	15	15.0
1975	15	12	12	12	12	15	15	15	12	12	12	12	13.0
1976	12	12	12	12	12	12	12	12	12	12	12	12	12.0
1977	10	10	10	10	10	10	10	10	10	10	10	10	10.0
1978	10	10	10	10	10	10	10	10	10	10	10	10	10.0
1979	10	10	10	10	10	10	10	10	8	8	8	8	9.3
1980	8	10	10	10	10	10	10	10	10	10	10	7	9.6
1981	9	9	8	8	8	7	7	7	7	7	7	8	7.7
1982	8	8	8	8	8	8	8	8	8	8	8	8	8.0
1983	10	10	10	10	7	8	7	7	7	7	8	8	8.3
1984	8	8	8	8	8	8	8	7	8	8	8	10	8.1
1985	10	11	10	10	11	11	10	10	11	11	10	12	10.6
1986	12	14	14	13	14	13	11	13	12	13	13	14	13.0
1987	10	14	11	11	13	14	12	13	13	13	13	13	12.5
1988	14	14	14	12	12	11	12	11	10	11	11	12	12.0
1989	12	11	12	11	11	11	11	10	11	11	11	11	11.1
1990	11	11	12	11	10	10	11	10	11	10	10	12	10.8

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	6.4	7.1	7.2	7.0	6.9	7.8	7.6	7.9	7.0	7.1	6.2	7.2	85.4
1972	7.2	7.0	8.2	8.6	7.9	8.4	7.7	8.0	7.3	6.9	7.1	6.7	91.0
1973	6.7	6.9	7.1	8.0	7.8	7.6	7.9	6.7	6.1	7.2	8.1	7.1	87.2
1974	7.9	8.4	8.4	9.0	6.2	8.6	9.1	8.5	8.0	7.1	7.2	7.1	95.5
1975	7.4	7.8	7.8	8.7	8.8	8.1	8.7	7.9	7.8	7.4	7.5	7.7	95.6
1976	7.9	8.5	8.3	8.9	8.9	8.4	9.5	7.4	8.0	7.5	7.2	7.2	97.7
1977	4.1	4.1	4.1	4.2	4.2	6.6	7.0	8.6	7.9	8.3	7.5	7.0	73.6
1978	7.1	7.0	8.5	9.1	8.6	9.2	9.2	8.0	7.6	7.9	7.4	7.9	97.5
1979	7.4	6.7	8.0	9.0	7.1	7.0	7.6	7.6	7.9	6.4	5.9	6.0	86.6
1980	6.9	7.2	7.4	7.9	7.9	7.9	7.7	7.9	8.1	8.0	7.0	7.0	90.9
1981	7.1	7.0	8.0	8.0	9.0	9.0	9.0	11.0	11.0	11.0	11.0	11.0	112.1
1982	7.0	7.0	7.4	7.2	7.9	6.8	6.8	6.4	6.5	6.8	6.8	6.8	83.4
1983	7.3	6.5	7.0	5.5	5.6	6.0	5.4	5.6	5.9	5.9	6.1	6.9	73.7
1984	6.5	5.7	5.9	5.5	5.8	5.3	5.7	5.7	6.6	6.6	6.8	8.2	74.3
1985	8.0	7.4	7.6	6.2	5.5	5.4	5.7	5.7	6.3	6.6	7.0	7.6	79.0
1986	7.5	6.9	7.6	6.2	6.4	5.7	5.5	5.7	5.3	4.9	5.4	7.2	74.3
1987	7.1	6.5	7.0	6.1	6.2	5.9	6.0	5.7	6.2	5.9	6.8	7.3	76.7
1988	6.7	7.6	7.0	4.9	4.5	5.0	5.2	5.7	5.5	5.0	5.5	5.7	68.3
1989	6.0	5.4	6.0	5.8	6.0	6.0	5.3	5.3	4.1	4.6	4.5	4.7	63.7
1990	5.9	5.3	48.4	4.4	4.5	4.4	4.7	4.3	4.2	5.1	4.9	5.1	101.2

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Japan

Selected Petroleum Prices
January 1 *
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1978	2.00	NA	0.81	NA	NA	25.20	14.12
1979	2.10	1.23	0.85	NA	NA	26.88	17.44
1980	2.58	1.70	1.41	NA	NA	47.88	37.47
1981	2.93	1.93	NA	1.44	2.39	54.60	43.56
1982	2.91	1.95	1.95	1.53	2.28	56.28	42.04
1983	2.85	1.92	1.92	1.53	2.14	57.12	41.07
1984	2.55	1.72	1.72	1.27	2.18	55.02	35.86
1985	2.37	1.32	1.30	0.94	1.86	52.08	34.40
1986	2.84	1.83	1.84	1.32	2.41	64.39	39.75
1987	2.89	1.80	1.10	1.08	NA	44.52	22.00
1988	3.49	2.08	1.12	1.13	NA	49.04	30.57
1989	3.41	2.02	1.04	1.36	1.75	43.68	27.76
1990	3.05	1.75	1.03	NA	NA	37.80	26.14

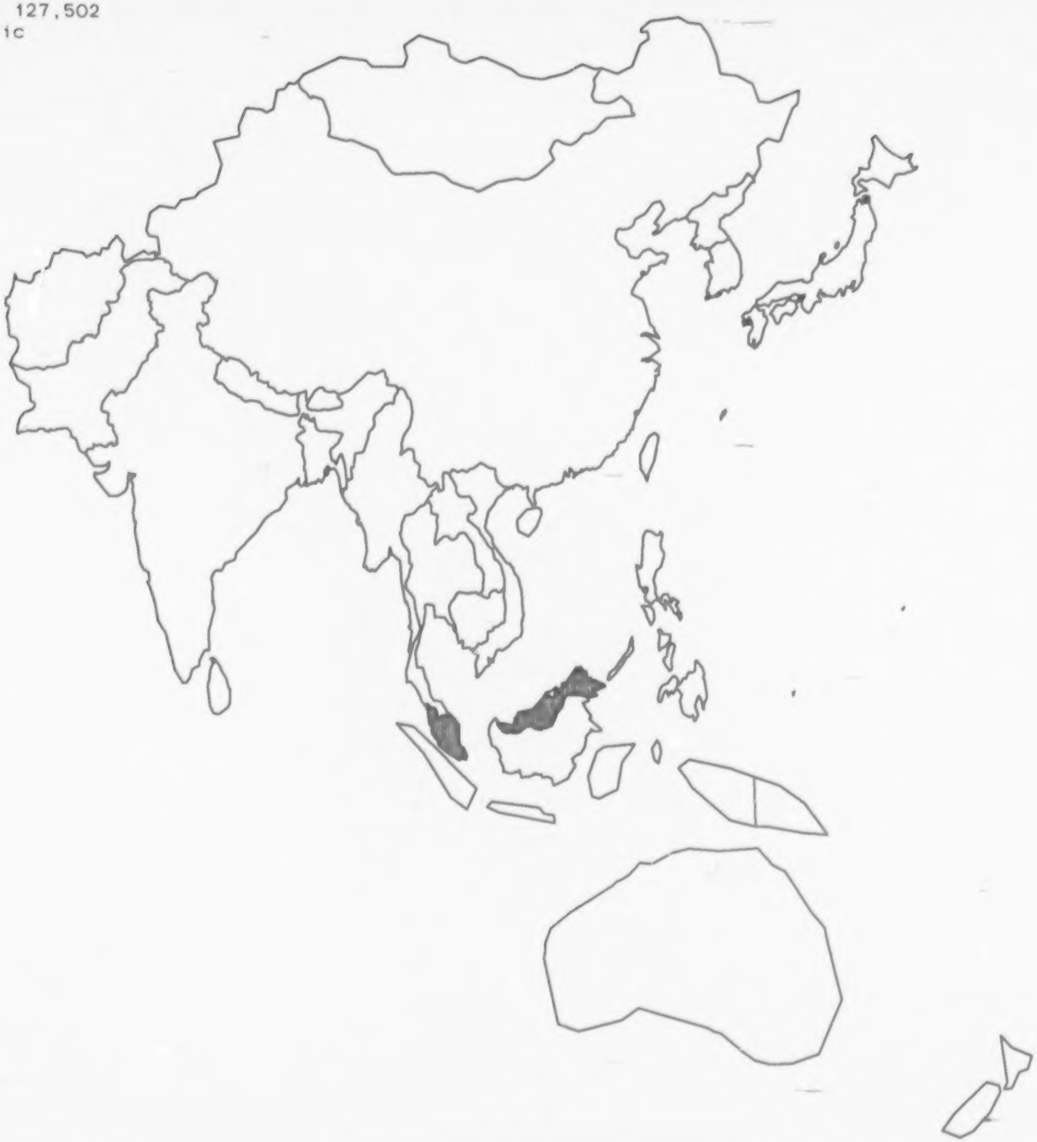
* Data for 1978-1980 are yearly averages.
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Malaysia

Size (Square Miles): 127,502
Location: Asia-Pacific



Malaysia

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	10,580	10,853	11,128	11,408	11,690	11,974	12,258	12,545	12,837	13,135	13,444
GNP (Mill US Dollars)	3,895	4,091	4,323	5,140	7,752	9,499	9,427	11,126	13,223	15,597	20,253
GNP per Capita (US Dollars)	380	390	410	450	550	700	820	920	1,010	1,150	1,400
Consumer Price Index (1987=100)	43.4	44.2	44.9	46.4	51.3	60.2	62.9	64.5	67.6	70.9	73.5

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	13,764	14,130	14,510	14,887	15,272	15,682	16,109	16,528	16,921	17,340
GNP (Mill US Dollars)	23,573	24,175	25,509	28,246	31,702	29,048	25,951	29,654	32,747	35,958
GNP per Capita (US Dollars)	1,690	1,880	1,900	1,900	2,040	1,970	1,850	1,830	1,930	2,160
Consumer Price Index (1987=100)	78.4	86.0	91.0	94.4	98.1	98.4	99.1	100.0	102.0	104.8

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Malaysia

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Other	Primary Energy
1980	0.34	0.06	0.02	0.42
1981	0.35	0.06	0.03	0.44
1982	0.38	0.05	0.03	0.46
1983	0.41	0.08	0.02	0.51
1984	0.41	0.16	0.04	0.61
1985	0.41	0.23	0.06	0.70
1986	0.41	0.29	0.05	0.75
1987	0.41	0.27	0.07	0.75
1988	0.43	0.30	0.06	0.79
1989	0.44	0.31	0.07	0.82

Production

	Petroleum	Natural Gas	Primary Energy
1973	0.19	NA	NA
1974	0.17	NA	NA
1975	0.20	0.02	0.23
1976	0.34	0.02	0.38
1977	0.38	0.03	0.42
1978	0.45	0.04	0.50
1979	0.59	0.01	0.61
1980	0.59	0.04	0.64
1981	0.55	0.04	0.60
1982	0.64	0.06	0.71
1983	0.76	0.15	0.93
1984	0.94	0.34	1.30
1985	0.93	0.45	1.42
1986	1.06	0.55	1.65
1987	1.05	0.57	1.67
1988	1.15	0.60	1.80
1989	1.24	0.62	1.92

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Malaysia

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	12	12	13	10	9	8	8	8	9	12	13
Well Completions	**(Total)**	107	114	97	129	103	61	82	80	80	27	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	2,800	3,000	2,800	3,325	3,000	3,000	3,100	2,821	2,900	2,922	2,950
Nat. Gas Reserves, Beginning of Year	**(bcf)**	17,000	15,000	19,000	34,000	48,000	50,000	52,700	49,440	52,200	51,700	51,900
Crude Oil Production	**(000 b/d)**	286	264	306	366	425	440	507	479	540	564	614
Nat. Gas Production	**(bcf)**	36	48	27	45	60	171	219	461	465	525	524
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	172	177	175	175	205	205	212	212	212	209	209
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	13	18	33	34	44	27	46	50	49	NA	NA
Middle Distillate Demand	**(000 b/d)**	53	66	58	70	65	65	62	60	63	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	46	53	63	58	68	51	55	51	57	NA	NA
Total Product Demand	**(000 b/d)**	134	165	180	183	194	177	192	197	202	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	227	251	249	298	344	350	382	381	415	NA	NA
Pet Product Exports	**(000 b/d)**	6	2	3	22	39	38	45	52	51	NA	NA
Total Pet Exports	**(000 b/d)**	233	253	252	320	383	388	427	433	466	NA	NA
Crude Oil Imports	**(000 b/d)**	74	69	77	65	52	45	39	31	30	NA	NA
Pet Product Imports	**(000 b/d)**	34	55	57	76	71	63	81	93	90	NA	NA
Total Pet Imports	**(000 b/d)**	108	124	134	141	123	108	120	124	120	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	(153)	(182)	(172)	(233)	(292)	(305)	(343)	(350)	(385)	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	28	53	54	54	32	25	36	41	39	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	(125)	(129)	(118)	(179)	(260)	(280)	(307)	(309)	(346)	NA	NA
Total Pet Imports, % of Demand	**(Percent)**	36.73	37.01	37.75	38.32	32.45	29.83	32.26	32.89	30.61	NA	NA
Net Tot Pet Impts (Expts), % of Demand	**(Percent)**	(42.52)	(38.51)	(33.24)	(48.64)	(68.60)	(77.35)	(82.53)	(81.96)	(88.27)	NA	NA
Natural Gas Exports	**(bcf)**	NA	NA	NA	NA	173	212	249	286	293	NA	NA
Natural Gas Imports	**(bcf)**	NA	NA	NA	NA	0	0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Malaysia

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	13	13	13	13	13	13	12	11	11	12	12	13	12
Total	13	13	13	13	13	13	12	11	11	12	12	13	12
1982													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	14	14	14	10	13	13	12	12	14	13	14	11	13
Total	14	14	14	10	13	13	12	12	14	13	14	11	13
1983													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	11	9	9	8	8	9	9	11	10	11	12	11	10
Total	11	9	9	8	8	9	9	11	10	11	12	11	10
1984													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	10	9	9	9	9	8	9	9	9	9	9	9	9
Total	10	9	9	9	9	8	9	9	9	9	9	9	9
1985													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	7	7	7	8	8	7	8	8	8	9	9	9	8
Total	7	7	7	8	8	7	8	8	8	9	9	9	8
1986													
Land	0	0	0	0	0	0	0	0	0	0	0	0	0
Offshore	9	9	7	7	7	8	8	8	8	7	7	7	8
Total	9	9	7	7	7	8	8	8	8	7	7	7	8
1987													
Land	0	0	0	0	0	0	0	0	1	0	0	0	0
Offshore	7	7	7	9	9	9	9	9	8	9	8	9	8
Total	7	7	7	9	9	9	9	9	9	9	8	9	8
1988													
Land	0	0	0	0	0	0	0	0	0	0	1	1	0
Offshore	9	8	8	8	8	9	9	9	9	9	10	10	9
Total	9	8	8	8	8	9	9	9	9	9	11	11	9
1989													
Land	1	1	1	1	1	1	1	1	1	0	0	1	1
Offshore	10	10	10	10	10	10	10	10	10	12	13	14	11
Total	11	11	11	11	11	11	11	11	11	12	13	15	12
1990													
Land	1	1	1	0	0	0	0	0	0	0	0	0	0
Offshore	14	12	12	15	14	15	12	13	14	13	11	10	13
Total	15	13	13	15	14	15	12	13	14	13	11	10	13

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Malaysia

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	297	314	290	300	280	280	283	282	281	280	283	266	286.3
1981	264	278	271	270	267	274	259	268	251	258	266	244	264.2
1982	297	303	309	300	303	301	298	304	309	312	319	320	306.3
1983	330	330	360	365	370	370	370	370	390	400	370	370	366.3
1984	370	370	400	400	400	400	460	460	460	460	460	460	425.0
1985	465	465	465	465	465	420	420	420	420	420	430	430	440.4
1986	495	510	500	510	510	510	510	510	510	510	510	500	507.1
1987	468	468	450	450	426	423	475	463	465	567	550	540	478.9
1988	540	540	540	540	540	540	540	540	540	540	540	540	540.0
1989	562	562	562	542	542	542	562	562	562	562	584	624	564.0
1990	600	600	600	600	600	595	595	600	605	650	650	650	612.1

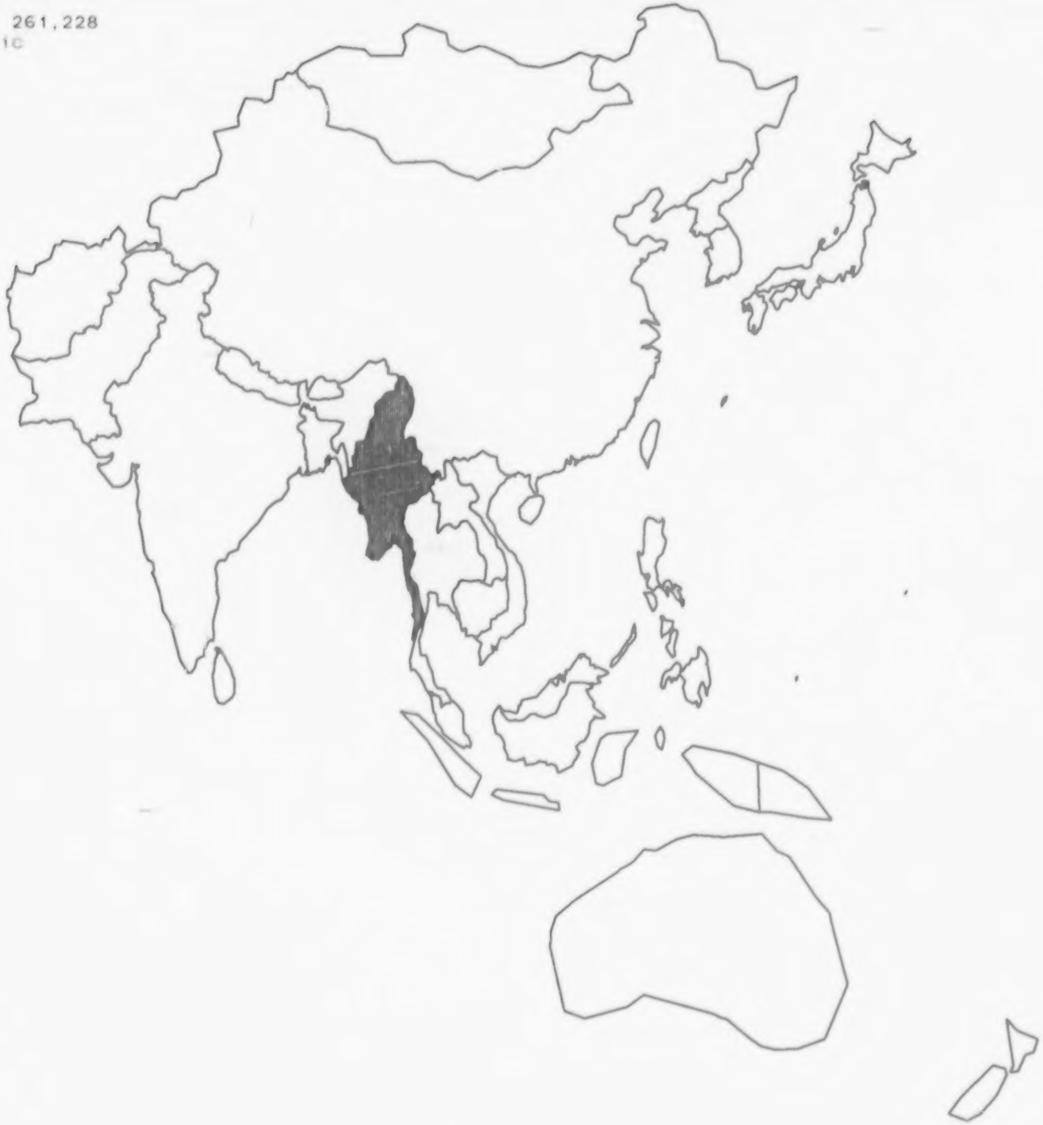
Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1980	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.2	3.2	3.0	3.0	3.0	36.4
1981	3.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	47.6
1982	4.0	0.4	0.4	0.4	0.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	27.3
1983	3.8	3.6	3.8	3.7	3.8	3.7	3.8	3.8	3.8	3.8	3.8	3.8	45.2
1984	3.8	3.8	3.8	3.8	3.8	3.8	3.6	3.8	3.8	3.8	10.0	12.0	60.0
1985	12.0	12.0	12.0	12.0	16.0	16.6	16.6	16.6	14.1	14.6	14.1	14.6	171.2
1986	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	36.4	36.4	218.8
1987	36.4	32.9	36.4	35.2	36.4	35.2	36.4	40.8	42.1	43.5	42.1	43.5	460.9
1988	45.0	42.1	45.0	36.3	37.5	36.3	37.5	37.5	36.3	37.5	36.3	37.5	464.8
1989	37.5	33.9	36.0	34.8	48.4	46.8	48.4	48.4	46.8	48.4	46.8	48.4	524.6
1990	48.4	43.7	3.1	46.8	48.4	46.8	48.4	48.4	46.8	48.4	46.8	48.4	524.4

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Myanmar
(formerly Burma)

Size (Square Miles): 261,228
Location: Asia-Pacific



Myanmar

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Energy Consumption												
Petroleum Consumption	(Quad BTU)	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.03	0.03	0.03	NA
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	26	30	32	36	33	33	33	29	26	23	19
Well Completions	(Total)	11	17	19	NA	260	209	93	103	64	NA	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	25	30	28	32	30	28	66	58	58	54	51
Nat. Gas Reserves, Beginning of Year	(bcf)	135	180	170	190	180	170	160	9,460	9,460	9,460	9,430
Crude Oil Production	(000 b/d)	30	30	30	30	30	30	30	24	15	13	12
Nat. Gas Production	(bcf)	12	12	15	17	17	22	24	32	32	35	70
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	26	26	26	26	26	26	26	26	26	26	32
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	NA	NA	NA	NA	5	7	6	5	3	NA	NA
Middle Distillate Demand	(000 b/d)	NA	NA	NA	NA	7	10	9	6	5	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	NA	NA	NA	NA	3	4	4	2	2	NA	NA
Total Product Demand	(000 b/d)	NA	NA	NA	NA	17	29	26	16	15	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute,
Baker Hughes Inc., Energy Information Administration, Oil & Gas Journal

Myanmar

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	28	28	31	31	31	31	31	31	31	31	31	24	30
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	28	28	31	31	31	31	31	31	31	31	31	24	30
1982													
Land	31	31	31	31	31	33	33	33	33	33	33	33	32
Offshore	0	0	0	0	0	0	0	0	0	0	0	1	0
Total	31	31	31	31	31	33	33	33	33	33	33	34	32
1983													
Land	33	40	40	40	40	40	40	34	30	28	28	32	35
Offshore	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	34	41	41	41	41	41	41	35	31	29	29	33	36
1984													
Land	32	32	32	32	32	32	32	32	32	32	32	32	32
Offshore	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	33	33	33	33	33	33	33	33	33	33	33	33	33
1985													
Land	32	32	32	32	32	32	32	32	32	32	32	32	32
Offshore	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	33	33	33	33	33	33	33	33	33	33	33	33	33
1986													
Land	32	32	32	32	32	32	32	32	32	32	32	32	32
Offshore	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	33	33	33	33	33	33	33	33	33	33	33	33	33
1987													
Land	32	32	32	32	32	31	31	25	26	26	26	26	29
Offshore	0	0	0	0	0	0	1	1	0	0	0	0	0
Total	32	32	32	32	32	31	32	26	26	26	26	26	29
1988													
Land	26	26	25	25	25	28	27	27	25	24	24	24	26
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	26	26	25	25	25	28	27	27	25	24	24	24	26
1989													
Land	24	24	24	24	24	24	24	24	24	24	18	18	23
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	24	24	24	24	24	24	24	24	24	24	18	18	23
1990													
Land	18	18	18	18	21	18	18	18	18	18	24	24	19
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	18	18	18	18	21	18	18	18	18	18	24	24	19

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	16	16	16	18	18	18	18	18	18	18	18	18	17.5
1971	19	19	19	19	19	19	19	19	19	19	18	18	18.8
1972	18	18	18	18	18	18	18	18	18	18	20	20	18.3
1973	20	20	20	20	20	20	20	20	20	23	23	20	20.5
1974	20	20	20	20	20	20	20	20	20	20	20	20	20.0
1975	20	20	20	20	20	20	20	20	20	20	20	20	20.0
1976	20	20	23	23	23	23	23	20	20	20	20	20	21.3
1977	20	20	20	28	28	28	28	28	24	24	24	24	24.7
1978	25	25	25	25	25	25	25	25	25	25	25	25	25.0
1979	25	25	25	25	25	27	27	27	30	30	30	30	27.2
1980	30	30	30	30	30	30	30	30	30	30	30	30	30.0
1981	30	30	30	30	30	30	30	30	30	30	30	30	30.0
1982	30	30	30	30	30	30	30	30	30	30	30	30	30.0
1983	30	30	30	30	30	30	30	30	30	30	30	30	30.0
1984	30	30	30	30	30	30	30	30	30	30	30	30	30.0
1985	30	30	30	30	30	30	30	30	30	30	30	30	30.0
1986	30	30	30	30	30	30	30	30	30	30	30	30	30.0
1987	30	24	24	24	24	24	24	24	24	24	19	19	23.7
1988	15	15	15	15	15	15	15	15	15	15	15	15	15.0
1989	15	15	12	12	12	12	12	12	12	12	12	12	12.5
1990	10	10	10	10	10	13	13	13	13	13	13	13	11.8

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	0.1	0.2	0.1	0.1	0.1	0.2	0.0	0.1	0.2	0.1	0.0	1.0	2.2
1972	0.2	0.2	0.2	0.1	0.2	0.1	0.5	0.2	0.6	0.5	0.2	0.6	3.6
1973	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.6	0.4	0.3	0.7	0.3	6.7
1974	0.5	0.4	0.6	0.4	0.6	0.4	0.5	0.5	0.4	0.6	0.6	0.6	6.1
1975	0.7	0.6	0.6	0.7	0.6	0.2	0.3	0.4	0.2	0.1	0.2	0.1	4.7
1976	0.1	0.4	0.4	0.5	0.4	0.3	0.4	0.6	0.5	0.6	0.4	0.4	5.0
1977	0.6	0.4	0.6	0.7	0.6	0.6	0.4	0.3	0.4	0.3	0.6	0.4	5.9
1978	0.6	0.7	0.6	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.3	5.2
1979	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	1.1	1.0	1.0	1.0	5.4
1980	1.0	1.0	1.0	1.0	1.0	1.2	1.0	1.0	1.0	1.0	1.0	1.0	12.2
1981	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
1982	1.0	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	14.8
1983	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	16.8
1984	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.6	17.0
1985	1.6	1.6	1.6	1.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	21.6
1986	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4	2.4	23.8
1987	2.7	2.4	2.7	2.6	2.7	2.6	2.7	2.7	2.6	2.7	2.6	2.7	31.7
1988	2.7	2.5	2.7	2.6	2.7	2.6	2.7	2.7	2.7	2.7	2.7	2.7	32.0
1989	2.7	2.4	2.7	2.6	2.7	3.0	3.1	3.1	3.0	3.1	3.0	3.1	34.5
1990	3.1	2.8	36.9	3.0	3.1	3.0	3.1	3.1	3.0	3.1	3.0	3.1	70.3

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Myanmar

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	0.42	0.30	0.30	0.30	NA	NA	NA
1982	NA	NA	NA	NA	NA	NA	NA
1983	NA	NA	NA	NA	NA	NA	NA
1984	NA	NA	NA	NA	NA	NA	NA
1985	NA	NA	NA	NA	NA	NA	NA
1986	0.45	0.32	0.24	0.32	NA	NA	NA
1987	NA	NA	NA	NA	NA	NA	NA
1988	NA	NA	NA	NA	NA	NA	NA
1989	2.97	2.04	NA	2.04	NA	NA	NA
1990	2.94	1.93	1.56	2.48	1.56	56.26	54.60

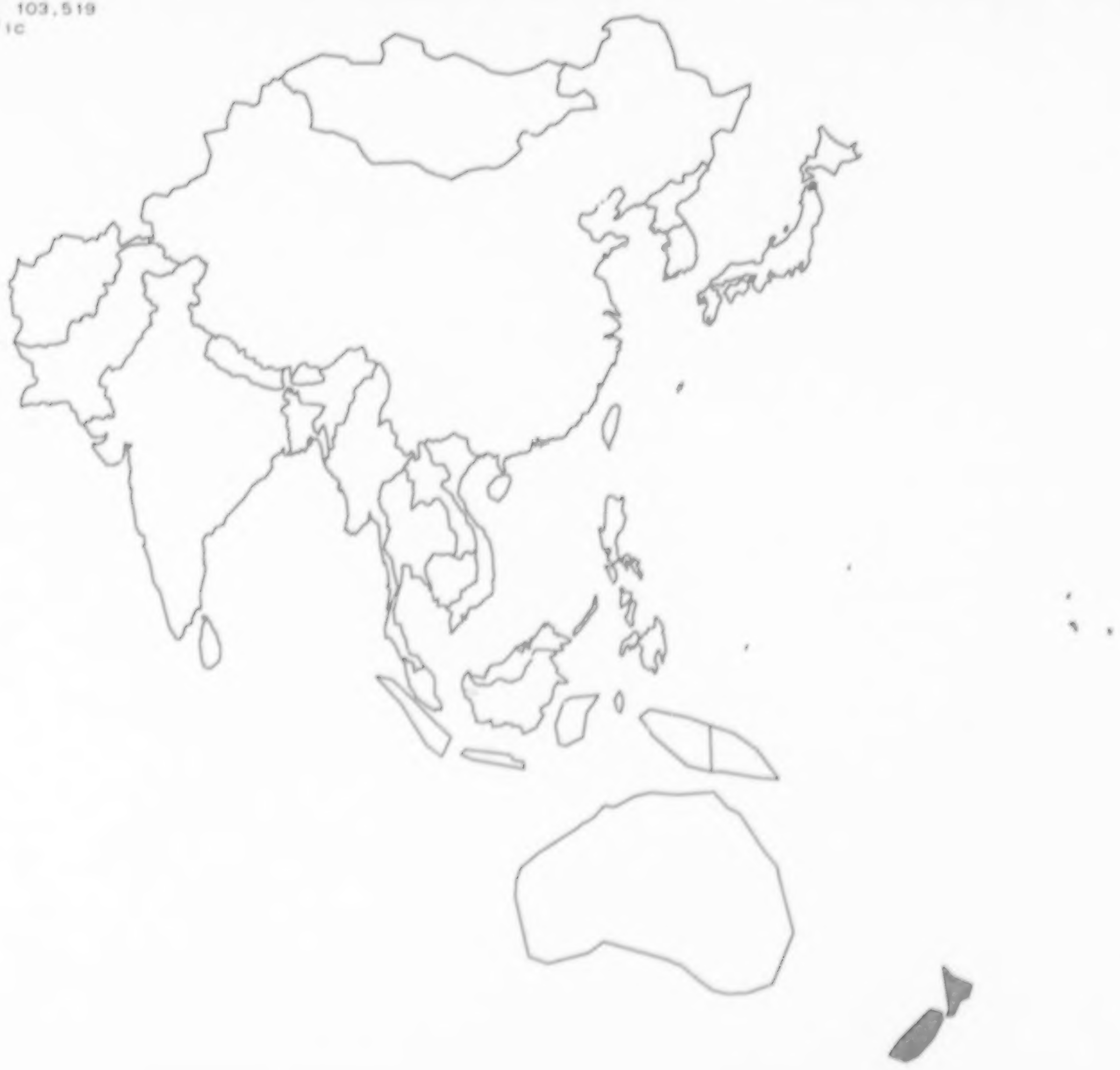
+ Gasoline is regular leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

New Zealand

Size (Square Miles): 103,519
Location: Asia-Pacific



New Zealand

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	2,804	2,820	2,854	2,902	2,956	3,024	3,087	3,111	3,120	3,121	3,109
GNP (Mill US Dollars)	5,487	6,197	7,425	8,752	12,133	13,303	11,551	12,173	14,399	16,166	18,475
GNP per Capita (US Dollars)	2,070	2,150	2,410	2,710	3,520	4,360	4,360	4,280	4,300	4,600	5,580
Consumer Price Index (1987=100)	12.5	13.3	14.7	15.8	17.0	18.9	21.7	25.4	29.0	32.5	37.0

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	3,113	3,145	3,183	3,227	3,260	3,290	3,305	3,336	3,292	3,343
GNP (Mill US Dollars)	20,654	21,623	21,674	20,838	18,211	21,392	25,407	34,061	39,527	39,138
GNP per Capita (US Dollars)	6,520	7,230	7,320	6,970	6,530	6,600	6,700	7,990	10,190	11,800
Consumer Price Index (1987=100)	43.3	49.9	58.0	62.3	66.1	76.3	86.4	100.0	106.4	112.5

Data from Oil & Gas Journal Energy Database.
Source: World Bank

New Zealand

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1980	0.19	0.05	0.04	0.20	0.48
1981	0.17	0.04	0.05	0.20	0.46
1982	0.17	0.10	0.05	0.19	0.51
1983	0.16	0.10	0.04	0.20	0.50
1984	0.17	0.11	0.05	0.21	0.54
1985	0.15	0.13	0.05	0.20	0.53
1986	0.17	0.16	0.04	0.23	0.60
1987	0.18	0.15	0.05	0.23	0.61
1988	0.19	0.19	0.07	0.23	0.68
1989	0.20	0.20	0.07	0.23	0.70

Production

	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1973	NA	NA	0.15	NA
1974	NA	NA	0.15	NA
1975	0.01	0.05	0.17	0.23
1976	0.04	0.05	0.15	0.24
1977	0.06	0.05	0.15	0.26
1978	0.05	0.05	0.17	0.27
1979	0.05	0.04	0.16	0.25
1980	0.05	0.05	0.20	0.30
1981	0.05	0.05	0.20	0.30
1982	0.10	0.05	0.19	0.34
1983	0.11	0.04	0.20	0.35
1984	0.11	0.06	0.21	0.38
1985	0.13	0.05	0.20	0.38
1986	0.16	0.05	0.23	0.44
1987	0.15	0.05	0.23	0.43
1988	0.19	0.05	0.23	0.47
1989	0.20	0.06	0.23	0.49

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

New Zealand

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	2	3	1	2	2	4	4	3	2	2	1
Well Completions	(Total)	5	8	6	21	19	25	24	23	16	13	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	110	173	171	169	170	155	176	167	160	183	146
Nat. Gas Reserves, Beginning of Year	(bcf)	6,000	6,100	6,020	5,545	5,533	5,438	5,515	5,690	5,200	5,150	5,120
Crude Oil Production	(000 b/d)	7	10	15	15	17	19	29	28	28	28	37
Nat. Gas Production	(bcf)	45	55	103	112	135	171	192	191	189	175	164
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	74	74	74	74	74	53	53	54	82	88	95
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	40	39	41	39	44	37	39	36	37	NA	NA
Middle Distillate Demand	(000 b/d)	21	21	21	21	20	20	21	21	20	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	17	11	7	6	3	6	5	5	5	NA	NA
Total Product Demand	(000 b/d)	91	85	82	80	83	77	84	94	95	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	9	0	2	7	NA	NA
Pet Product Exports	(000 b/d)	*	0	0	0	2	1	1	6	12	NA	NA
Total Pet Exports	(000 b/d)	0	0	0	0	2	10	1	8	19	NA	NA
Crude Oil Imports	(000 b/d)	55	56	36	35	31	18	22	43	50	NA	NA
Pet Product Imports	(000 b/d)	27	22	27	28	36	44	34	15	7	NA	NA
Total Pet Imports	(000 b/d)	82	78	63	63	67	62	56	58	57	NA	NA
Net Crude Imports (Exports)	(000 b/d)	55	56	36	35	31	9	22	41	43	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	27	22	27	28	34	43	33	9	(5)	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	82	78	63	63	65	52	55	50	38	NA	NA
Total Pet Imports, % of Demand	(Percent)	45.30	45.88	37.72	39.38	39.88	39.49	33.14	30.69	30.00	NA	NA
Net Tot Pet Impts (Expts), % of Demand	(Percent)	45.30	45.88	37.72	39.38	38.69	33.12	32.54	26.46	20.00	NA	NA
Natural Gas Exports	(bcf)	NA	NA	NA	NA	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	NA	NA	NA	NA	0	0	0	0	0	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc.,
British Petroleum, Energy Information Administration, Oil & Gas Journal

New Zealand

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	3	3	3	3	3	0	0	0	1	1	1	1	2
Offshore	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	4	4	4	4	4	1	1	1	2	2	2	2	3
1982													
Land	1	1	1	1	1	1	1	1	1	1	1	1	1
Offshore	1	1	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	1	1	1	1	1	1	1	1	1	1	1
1983													
Land	1	2	2	2	2	2	2	2	2	1	1	1	2
Offshore	0	0	0	0	0	0	0	0	0	2	2	3	1
Total	1	2	2	2	2	2	2	2	2	3	3	4	3
1984													
Land	1	1	1	1	1	1	1	1	1	2	2	3	1
Offshore	2	2	2	1	1	1	0	0	0	0	0	1	1
Total	3	3	3	2	2	2	1	1	1	2	2	4	2
1985													
Land	3	3	3	3	3	3	3	3	3	3	3	5	3
Offshore	1	1	1	1	0	0	0	0	0	1	1	1	1
Total	4	4	4	4	3	3	3	3	3	4	4	6	4
1986													
Land	5	5	6	5	4	4	4	3	3	3	1	1	4
Offshore	0	0	0	1	2	2	1	1	0	0	1	1	1
Total	5	5	6	6	6	6	5	4	3	3	2	2	5
1987													
Land	2	2	2	3	3	2	1	1	1	1	1	1	2
Offshore	0	0	1	1	1	1	0	0	1	2	2	1	1
Total	2	2	3	4	4	3	1	1	2	3	3	2	3
1988													
Land	1	2	1	1	0	0	1	2	2	2	2	2	1
Offshore	1	1	2	2	2	1	1	1	0	0	0	0	1
Total	2	3	3	3	2	1	2	3	2	2	2	2	2
1989													
Land	2	2	2	2	1	1	1	1	2	1	1	1	1
Offshore	0	1	1	1	0	0	0	0	0	0	0	0	0
Total	2	3	3	3	1	1	1	1	2	1	1	1	2
1990													
Land	1	0	0	0	0	0	0	0	0	1	1	0	0
Offshore	0	0	0	0	0	1	1	1	1	1	1	1	1
Total	1	0	0	0	0	1	1	1	1	2	2	1	1

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

New Zealand

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	7	7	7	7	7	7	7	7	7	7	7	10	7.3
1981	5	8	9	9	13	12	13	12	10	7	10	7	9.6
1982	7	11	12	14	16	15	20	19	19	16	15	14	14.8
1983	15	14	16	12	14	16	16	19	17	13	13	13	14.8
1984	14	17	16	16	19	18	18	18	18	17	16	14	16.8
1985	11	16	16	21	21	20	20	20	18	20	23	19	18.8
1986	17	29	29	31	34	31	30	29	29	27	28	29	28.6
1987	28	28	29	27	26	30	31	28	28	28	28	28	28.3
1988	28	28	28	28	28	28	28	28	28	28	28	28	28.0
1989	28	28	28	28	28	28	28	28	28	28	28	28	28.0
1990	28	28	39	39	39	39	39	39	39	37	38	38	36.8

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	NA	NA	NA	NA	NA	NA	NA	NA	0.7	0.4	0.4	0.4	1.9
1972	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
1975	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	4.1	4.2	4.3	4.3	26.5
1976	4.2	4.2	5.0	4.8	4.9	4.8	4.8	4.6	3.8	4.0	4.1	4.1	53.3
1977	6.4	8.6	8.6	9.6	10.0	6.9	8.6	7.0	8.4	7.8	7.8	7.5	97.2
1978	7.4	7.3	7.0	6.0	4.0	3.5	3.5	4.0	4.0	5.1	4.9	5.1	61.8
1979	4.3	4.5	3.5	3.5	3.5	3.5	3.3	3.3	3.3	3.3	3.1	3.0	42.1
1980	3.0	3.0	3.0	3.0	3.0	4.5	4.0	3.3	5.2	5.0	4.0	4.0	45.0
1981	4.2	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	5.0	5.0	5.0	55.2
1982	4.0	6.5	7.5	7.8	9.2	8.4	11.4	11.4	10.7	9.7	8.7	8.0	103.3
1983	6.7	8.4	10.0	7.4	9.0	10.1	11.2	12.4	10.6	8.9	8.9	8.7	112.3
1984	9.1	10.5	10.4	10.6	13.0	12.9	12.0	12.2	11.2	12.2	10.8	10.1	135.0
1985	8.1	10.3	13.0	14.7	15.3	14.6	15.4	16.0	17.6	14.5	16.0	15.4	170.9
1986	12.5	13.9	15.1	16.8	19.2	17.5	17.5	15.8	14.9	16.3	16.4	15.8	191.7
1987	16.0	16.0	16.0	14.4	14.9	16.5	17.6	15.8	14.9	16.3	16.4	15.8	190.6
1988	16.0	15.0	16.0	15.5	16.0	15.5	16.0	16.0	15.5	16.0	15.5	16.0	189.0
1989	16.0	14.5	16.1	15.6	16.1	13.5	13.9	13.9	13.5	14.0	13.5	14.0	174.6
1990	14.0	12.6	14.0	13.5	13.9	13.5	14.0	14.0	13.5	13.9	13.5	13.9	164.3

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

New Zealand

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1986	1.76	1.35	1.38	56.28	36.84
1987	1.69	1.27	1.27	NA	27.73
1988	2.31	1.69	1.75	42.00	38.06
1989	2.31	1.78	1.74	42.00	38.06

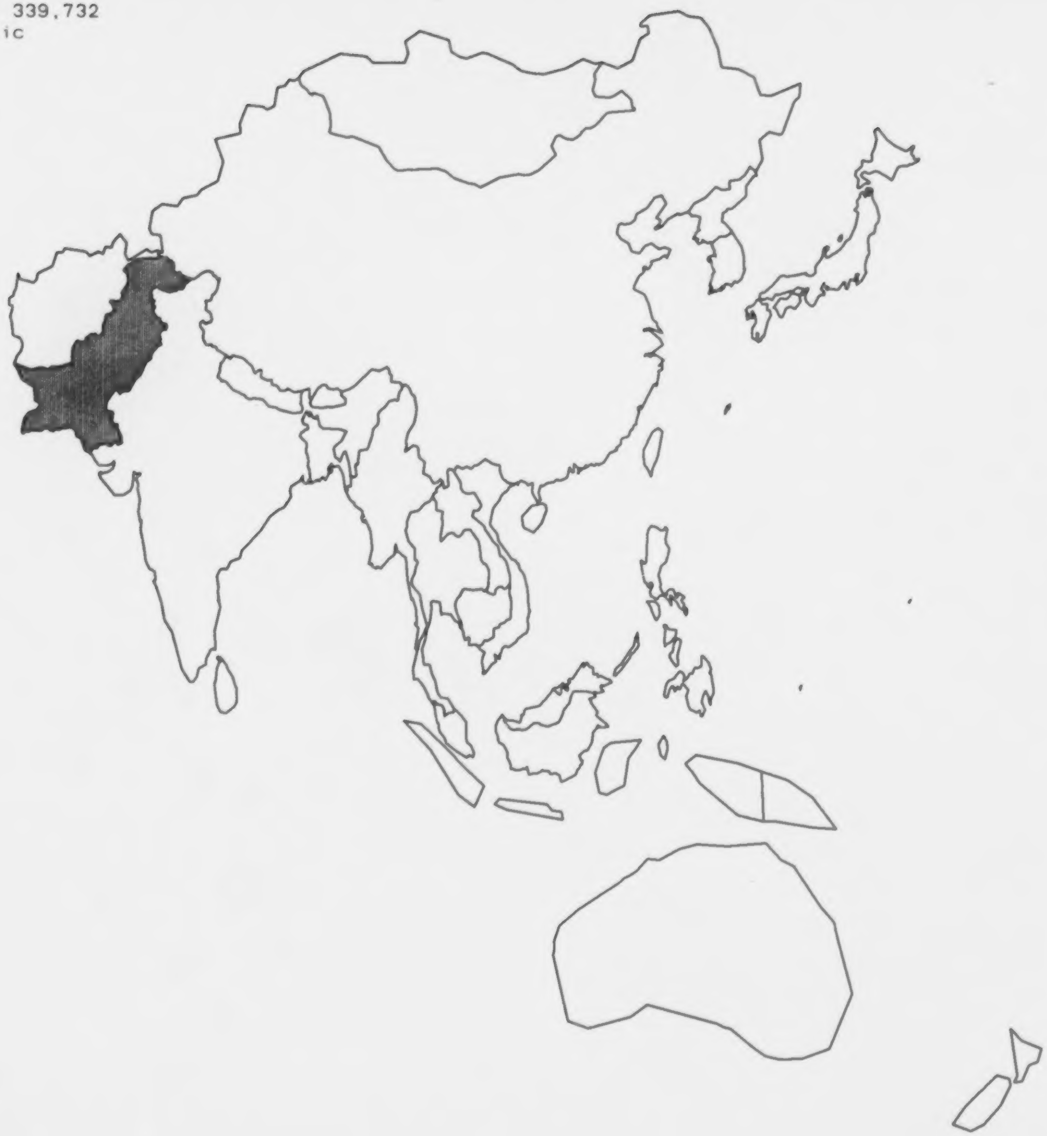
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Pakistan

Size (Square Miles): 339,732
Location: Asia-Pacific



Pakistan

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	58,811	60,607	62,514	64,545	66,669	68,842	71,033	73,255	75,515	77,817	80,169
GNP (Mill US Dollars)	8,599	10,032	10,588	9,322	6,243	8,699	11,244	13,195	14,958	17,638	19,476
GNP per Capita (US Dollars)	150	170	170	160	130	130	130	170	190	220	240
Consumer Price Index (1987=100)	19.7	20.7	21.7	22.8	28.1	35.6	43.1	46.1	50.8	53.9	58.4

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	82,581	85,068	87,648	90,343	93,177	96,180	99,399	102,738	106,261	109,950
GNP (Mill US Dollars)	23,409	27,839	30,405	28,271	30,700	30,639	31,259	32,666	37,654	39,460
GNP per Capita (US Dollars)	290	330	360	350	350	340	340	330	350	360
Consumer Price Index (1987=100)	65.4	73.1	77.4	82.4	87.4	92.3	95.5	100.0	108.8	117.4

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Pakistan

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1980	0.22	0.28	0.04	0.09	*	0.63
1981	0.24	0.31	0.03	0.09	*	0.67
1982	0.28	0.34	0.04	0.10	*	0.76
1983	0.29	0.34	0.04	0.12	*	0.79
1984	0.30	0.34	0.05	0.13	*	0.82
1985	0.34	0.36	0.04	0.13	*	0.87
1986	0.35	0.38	0.07	0.14	*	0.94
1987	0.38	0.41	0.07	0.16	0.01	1.03
1988	0.41	0.43	0.07	0.17	*	1.08
1989	0.44	0.45	0.08	0.19	*	1.16

Production

	Natural Gas	Coal	Hydroelectric Power	Nuclear Electric Power	Primary Energy
1973	0.13	NA	0.05	0.01	NA
1974	0.15	NA	0.05	0.01	NA
1975	0.16	0.02	0.05	0.01	0.24
1976	0.16	0.02	0.06	0.01	0.25
1977	0.17	0.02	0.06	*	0.25
1978	0.18	0.02	0.06	*	0.26
1979	0.23	0.02	0.09	*	0.34
1980	0.28	0.03	0.09	*	0.40
1981	0.31	0.03	0.09	*	0.43
1982	0.34	0.03	0.10	*	0.47
1983	0.33	0.04	0.12	*	0.49
1984	0.34	0.04	0.13	*	0.51
1985	0.36	0.04	0.13	*	0.53
1986	0.38	0.04	0.14	*	0.56
1987	0.41	0.05	0.16	0.01	0.63
1988	0.43	0.05	0.17	*	0.65
1989	0.45	0.05	0.19	*	0.69

* Denotes less than 5 trillion Btu.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Pakistan

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	(Number)	14	15	17	17	17	18	17	14	13	13	11
Well Completions	(Total)	17	30	26	31	42	76	70	39	65	53	NA
Crude Oil Reserves, Beginning of Year	(Mill bbl)	200	197	240	196	83	82	109	96	96	170	119
Nat. Gas Reserves, Beginning of Year	(bcf)	15,800	15,100	16,400	18,540	15,800	15,760	15,400	18,700	22,400	17,722	18,000
Crude Oil Production	(000 b/d)	10	10	12	12	17	34	41	42	47	47	62
Nat. Gas Production	(bcf)	352	600	336	340	354	356	395	420	442	440	451
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	(000 b/d)	98	122	133	133	126	129	130	130	130	130	121
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	13	13	16	16	17	29	20	22	22	NA	NA
Middle Distillate Demand	(000 b/d)	42	46	46	51	56	60	66	79	86	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	11	14	11	21	31	33	39	41	40	NA	NA
Total Product Demand	(000 b/d)	94	107	104	120	140	160	166	180	194	NA	NA
Exports & Imports												
Crude Oil Exports	(000 b/d)	0	0	0	0	0	0	0	0	3	NA	NA
Pet Product Exports	(000 b/d)	18	21	24	6	3	3	3	3	3	NA	NA
Total Pet Exports	(000 b/d)	18	21	24	6	3	3	3	3	6	NA	NA
Crude Oil Imports	(000 b/d)	79	82	92	87	81	84	74	75	76	NA	NA
Pet Product Imports	(000 b/d)	33	34	33	42	45	47	52	64	78	NA	NA
Total Pet Imports	(000 b/d)	112	116	125	129	126	131	126	139	154	NA	NA
Net Crude Imports (Exports)	(000 b/d)	79	82	92	87	81	84	74	75	73	NA	NA
Net Pet Product Imports (Exports)	(000 b/d)	15	13	9	36	42	44	49	61	75	NA	NA
Net Tot Petroleum Imports (Exports)	(000 b/d)	94	95	101	123	123	128	123	136	148	NA	NA
Natural Gas Exports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA
Natural Gas Imports	(bcf)	0	0	0	0	0	0	0	0	0	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc.,
Energy Information Administration, Oil & Gas Journal

Pakistan

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	16	16	16	16	16	16	14	14	14	15	14	14	15
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	16	16	16	16	16	14	14	14	15	14	14	15
1982													
Land	19	16	16	17	18	16	16	17	17	17	18	18	17
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	19	16	16	17	18	16	16	17	17	17	18	18	17
1983													
Land	18	18	17	17	17	17	17	17	17	11	17	17	17
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	18	18	17	17	17	17	17	17	17	11	17	17	17
1984													
Land	17	17	17	17	17	17	17	16	16	16	16	20	17
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	17	17	17	17	17	17	17	16	16	16	16	20	17
1985													
Land	20	20	20	18	18	18	17	17	17	17	17	17	18
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	20	20	20	18	18	18	17	17	17	17	17	17	18
1986													
Land	16	16	16	16	16	17	17	17	17	17	17	18	17
Offshore	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	17	16	16	16	16	17	17	17	17	17	17	18	17
1987													
Land	16	16	16	15	16	14	15	15	12	12	13	11	14
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	16	16	15	16	14	15	15	12	12	13	11	14
1988													
Land	11	12	12	12	13	15	14	13	15	15	11	16	13
Offshore	0	0	0	0	0	0	1	0	0	0	0	0	0
Total	11	12	12	12	13	15	15	13	15	15	11	16	13
1989													
Land	11	12	16	16	15	13	15	14	11	11	14	12	13
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	11	12	16	16	15	13	15	14	11	11	14	12	13
1990													
Land	12	13	12	10	8	9	12	11	11	12	11	9	11
Offshore	1	1	0	0	0	0	0	0	0	0	0	0	0
Total	13	14	12	10	8	9	12	11	11	12	11	9	11

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Pakistan

Oil and Gas Production

Crude Oil
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	10	10	10	10	10	10	10	10	10	10	10	10	10.0
1971	10	10	10	10	10	10	10	10	10	10	10	10	10.0
1972	10	9	9	9	9	9	9	9	9	9	9	9	9.1
1973	9	9	9	9	9	9	9	9	9	8	8	9	8.8
1974	9	9	9	9	8	9	8	8	8	9	9	9	8.5
1975	8	8	9	9	9	9	9	9	6	6	6	6	7.8
1976	6	6	6	6	6	6	7	8	8	8	8	8	6.9
1977	10	10	10	10	10	10	10	10	10	10	10	10	10.0
1978	10	10	10	10	10	10	10	10	10	10	10	10	10.0
1979	10	10	10	10	10	10	10	10	10	10	10	10	10.0
1980	10	10	10	10	10	10	10	10	10	10	10	10	10.0
1981	10	10	10	10	10	10	10	10	10	10	10	10	10.0
1982	12	12	12	12	12	12	12	12	12	12	12	12	12.0
1983	12	14	12	12	12	13	13	11	11	13	12	12	12.3
1984	12	12	13	12	16	16	18	18	19	22	25	26	17.4
1985	27	27	29	27	34	33	33	37	41	40	40	40	34.0
1986	40	43	42	41	39	41	41	41	44	38	40	40	40.8
1987	40	39	45	42	40	40	43	43	43	43	43	46	42.3
1988	46	46	49	43	48	48	46	48	48	48	48	48	47.2
1989	45	45	45	45	45	45	45	45	45	45	55	55	46.7
1990	58	58	58	60	60	60	60	60	60	70	67	68	61.6

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1971	9.0	9.0	9.0	9.0	8.1	10.9	11.0	11.3	11.5	11.6	11.1	9.6	121.1
1972	9.9	9.0	9.0	9.1	10.9	10.2	10.5	11.2	10.4	14.0	12.4	12.4	129.0
1973	13.9	13.5	14.0	13.5	12.4	11.0	10.3	9.4	8.2	7.1	7.8	7.0	128.1
1974	11.1	11.2	11.2	10.1	14.0	11.1	10.8	11.1	11.2	13.9	14.0	12.2	141.9
1975	12.9	13.0	13.0	12.9	13.0	13.0	12.9	13.0	12.9	12.9	12.9	12.9	155.3
1976	13.0	11.8	11.8	11.8	11.8	11.8	11.8	11.8	14.7	11.8	11.8	11.7	145.6
1977	15.5	14.7	14.7	14.8	15.0	16.0	12.8	12.8	12.7	12.7	14.7	14.0	170.4
1978	14.2	14.6	12.9	12.9	12.9	12.9	12.9	12.9	16.0	13.8	14.1	12.9	163.0
1979	12.9	11.3	14.2	14.1	14.7	16.3	16.6	16.6	16.7	16.7	15.4	15.0	180.5
1980	15.0	18.5	16.5	15.7	23.1	18.2	20.6	24.8	50.0	50.0	50.0	50.0	352.4
1981	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	600.0
1982	50.0	22.4	24.8	27.8	26.0	25.2	26.0	26.0	26.0	26.0	26.0	29.3	335.5
1983	30.2	28.3	31.4	27.8	28.5	27.9	27.2	28.4	25.1	27.6	27.9	30.0	340.3
1984	31.4	30.5	30.2	30.1	30.3	28.6	28.7	28.9	26.9	29.8	28.8	29.9	354.1
1985	32.5	29.4	32.2	31.5	32.4	30.6	30.7	28.5	26.5	27.4	26.5	27.5	355.7
1986	35.2	31.8	35.0	34.1	34.3	32.7	32.5	32.5	29.2	31.0	31.0	36.0	395.3
1987	38.5	32.5	35.8	34.3	34.8	33.1	34.2	34.2	33.1	34.2	35.0	40.6	420.3
1988	41.0	38.4	39.8	36.0	37.2	36.0	35.5	36.0	34.8	36.0	35.0	36.0	441.7
1989	36.0	32.5	36.0	34.8	36.0	37.1	38.3	38.3	37.1	38.3	37.1	38.3	439.8
1990	38.3	34.6	38.3	37.1	38.3	37.1	38.3	38.3	37.1	38.3	37.1	38.3	451.1

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Pakistan

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	2.11	1.17	1.05	0.62	NA	18.96
1982	2.19	1.20	1.05	0.68	NA	19.48
1983	1.76	1.02	0.81	0.49	NA	15.02
1984	1.84	1.13	0.78	0.52	NA	18.30
1985	NA	NA	NA	NA	NA	NA
1986	1.83	1.01	0.78	0.51	NA	NA
1987	1.67	0.84	0.66	0.47	NA	13.66
1988	1.67	0.83	0.65	0.47	16.16	11.42
1989	1.76	0.79	0.61	0.81	14.35	10.81
1990	1.52	0.68	0.53	0.38	12.42	14.28

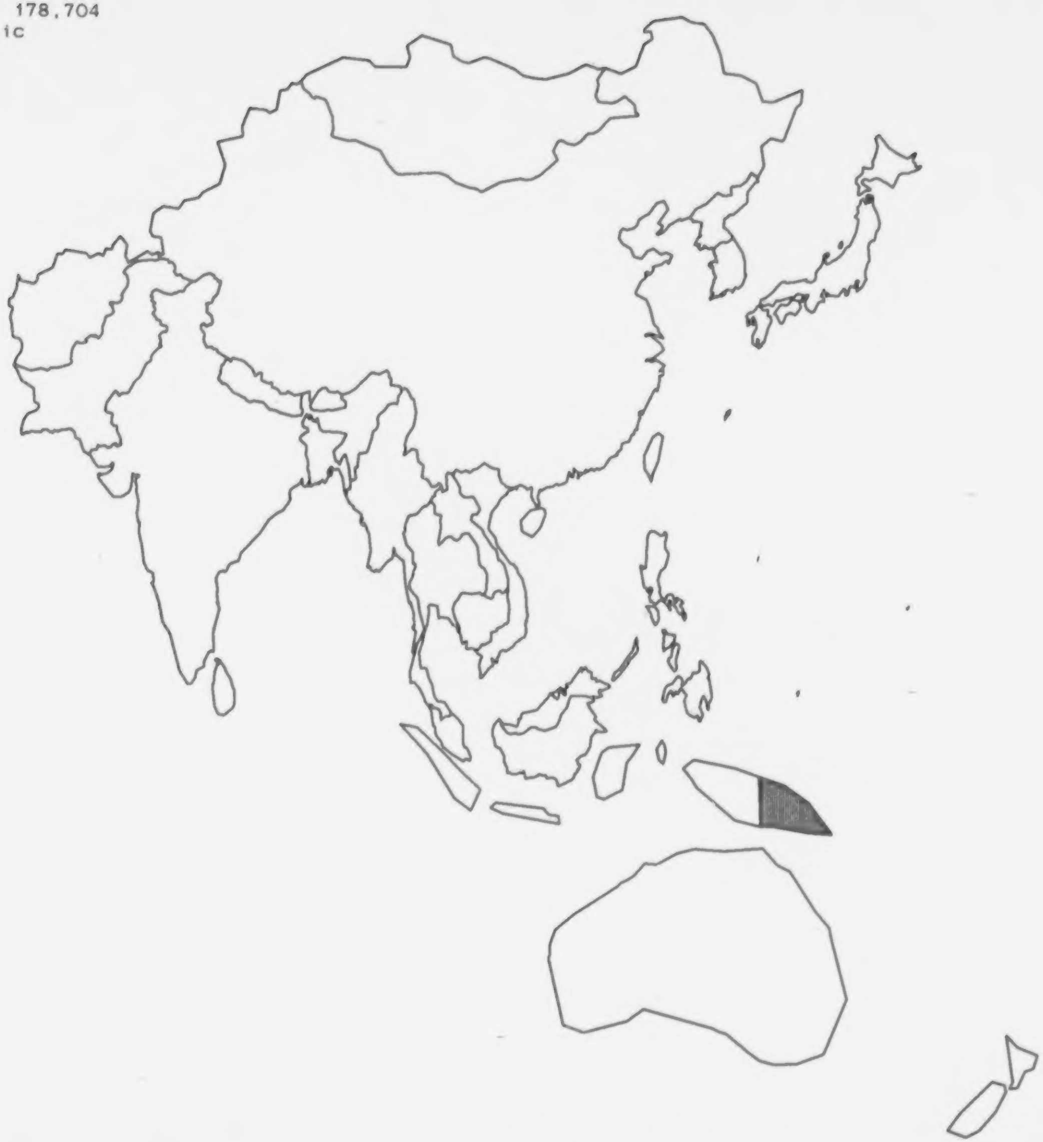
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Papua, New Guinea

Size (Square Miles): 178,704
Location: Asia-Pacific



Papua, New Guinea

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	2,364	2,422	2,481	2,541	2,602	2,665	2,729	2,794	2,861	2,929	2,999
GNP (Mill US Dollars)	546	628	685	810	1,224	1,373	1,291	1,466	1,610	1,918	2,246
GNP per Capita (US Dollars)	230	260	280	300	370	450	530	520	540	650	710
Consumer Price Index (1987=100)	NA	NA	30.3	32.2	34.9	42.9	47.4	51.1	53.4	56.5	59.7

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	3,070	3,143	3,219	3,297	3,377	3,460	3,546	3,633	3,722	3,812
GNP (Mill US Dollars)	2,462	2,422	2,245	2,438	2,495	2,335	2,560	2,968	3,470	3,370
GNP per Capita (US Dollars)	760	820	780	760	750	740	740	760	850	890
Consumer Price Index (1987=100)	66.9	72.3	76.3	82.4	88.5	91.8	96.8	100.0	105.4	110.2

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Papua, New Guinea

Exploration, Drilling & Production		**1980**	**1981**	**1982**	**1983**	**1984**	**1985**	**1986**	**1987**	**1988**	**1989**	**1990**
Active Drilling Rigs	**(Number)**	1	0	0	1	1	2	1	2	3	3	3
Well Completions	**(Total)**	1	0	NA	4	5	5	NA	NA	15	23	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	NA	NA	NA	NA	NA	50	50	65	200	200	200
Nat. Gas Reserves, Beginning of Year	**(bcf)**	NA	NA	NA	NA	NA	500	500	500	1,000	3,030	4,520

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., Oil & Gas Journal

Papua, New Guinea

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	0	0	0	0	0	0	0	0	0	0	0	1	0
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	1	0
1982													
Land	0	0	1	1	1	0	0	0	0	0	0	0	0
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	1	1	0	0	0	0	0	0	0	0
1983													
Land	0	0	0	1	0	1	0	1	1	1	1	1	1
Offshore	1	1	1	1	1	1	2	1	0	0	0	0	1
Total	1	1	1	2	1	2	2	2	1	1	1	1	2
1984													
Land	1	2	2	1	1	1	1	1	1	2	2	1	1
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	2	2	1	1	1	1	1	1	2	2	1	1
1985													
Land	1	1	0	2	2	2	2	2	2	2	2	2	2
Offshore	0	1	1	0	0	0	0	0	0	0	0	0	0
Total	1	2	1	2	2	2	2	2	2	2	2	2	2
1986													
Land	2	2	2	2	0	0	1	1	1	1	1	1	1
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	2	0	0	1	1	1	1	1	1	1
1987													
Land	1	1	1	1	1	3	2	2	2	2	2	2	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	1	1	1	1	3	2	2	2	2	2	2	2
1988													
Land	1	2	2	2	3	2	2	2	2	3	4	4	2
Offshore	0	0	0	0	0	1	1	0	0	0	0	0	0
Total	1	2	2	2	3	3	3	2	2	3	4	4	2
1989													
Land	4	2	2	1	2	2	2	2	3	0	3	4	2
Offshore	0	0	0	0	1	1	1	1	1	4	0	0	1
Total	4	2	2	1	3	3	3	3	4	4	3	4	3
1990													
Land	4	3	1	2	5	4	2	1	1	2	2	2	2
Offshore	1	1	1	0	0	0	0	1	1	1	1	0	1
Total	5	4	2	2	5	4	2	2	2	3	3	2	3

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Philippines

Size (Square Miles): 115,831
Location: Asia-Pacific

Philippines

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	36,424	37,540	38,650	39,745	40,839	41,954	43,103	44,281	45,486	46,718	47,974
GNP (Mill US Dollars)	8,977	7,076	7,714	8,381	10,680	14,713	15,779	18,038	20,716	24,016	29,539
GNP per Capita (US Dollars)	250	230	220	220	250	300	360	420	450	510	590
Consumer Price Index (1987=100)	8.3	9.6	11.7	12.6	14.7	19.7	21.1	23.0	25.3	27.1	31.9

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	49,253	50,551	51,863	53,183	54,504	55,819	57,149	58,493	59,851	61,224
GNP (Mill US Dollars)	35,220	38,430	39,274	34,095	31,581	32,119	30,147	34,193	38,991	44,222
GNP per Capita (US Dollars)	680	770	790	740	630	570	560	590	630	700
Consumer Price Index (1987=100)	37.7	42.6	47.0	51.7	77.7	95.6	96.3	100.0	108.8	120.3

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Philippines

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Coal	Hydroelectric Power	Primary Energy
1980	0.48	0.01	0.04	0.53
1981	0.45	0.02	0.04	0.51
1982	0.45	0.02	0.04	0.51
1983	0.42	0.03	0.03	0.48
1984	0.36	0.04	0.05	0.45
1985	0.32	0.02	0.06	0.40
1986	0.34	0.06	0.06	0.46
1987	0.40	0.04	0.05	0.49
1988	0.42	0.06	0.06	0.54
1989	0.48	0.06	0.06	0.60

Production

	Coal	Hydroelectric Power	Primary Energy
1973	NA	0.02	NA
1974	NA	0.02	NA
1975	*	0.03	0.03
1976	*	0.02	0.02
1977	0.01	0.03	0.04
1978	0.01	0.03	0.04
1979	*	0.04	0.04
1980	0.01	0.04	0.05
1981	0.01	0.04	0.05
1982	0.01	0.03	0.04
1983	0.02	0.05	0.07
1984	0.02	0.06	0.08
1985	0.02	0.06	0.08
1986	0.02	0.05	0.07
1987	0.02	0.06	0.08
1988	0.03	0.06	0.09
1989	0.02		0.02

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Philippines

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	12	13	14	8	3	2	1	2	4	7	6
Well Completions	**(Total)**	25	19	15	5	3	0	0	3	7	8	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	25	20	23	36	16	16	16	17	16	16	15
Nat. Gas Reserves, Beginning of Year	**(bcf)**	0	10	16	16	14	12	11	10	10	9	10
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	253	246	286	286	286	286	216	286	286	254	284
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	31	24	24	25	22	29	25	28	30	NA	NA
Middle Distillate Demand	**(000 b/d)**	83	69	77	55	59	60	44	49	52	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	75	72	69	94	50	55	61	80	78	NA	NA
Total Product Demand	**(000 b/d)**	225	212	224	205	159	184	159	188	196	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	1	0	0	0	0	0	0	0	0	NA	NA
Pet Product Exports	**(000 b/d)**	2	4	1	3	7	4	8	13	21	NA	NA
Total Pet Exports	**(000 b/d)**	3	4	1	3	7	4	8	13	21	NA	NA
Crude Oil Imports	**(000 b/d)**	179	180	193	165	144	130	135	171	185	NA	NA
Pet Product Imports	**(000 b/d)**	40	26	34	29	14	15	18	27	24	NA	NA
Total Pet Imports	**(000 b/d)**	219	206	227	194	158	145	153	198	209	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	178	180	193	165	144	130	135	171	185	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	38	22	33	26	7	11	10	14	3	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	216	202	226	191	151	141	145	185	188	NA	NA
Total Pet Imports, % of Demand	**(Percent)**	49.77	49.40	54.18	47.32	48.02	43.41	47.96	53.80	53.45	NA	NA
Net Tot Pet Impts (Expts), % of Demand	**(Percent)**	49.09	48.44	53.94	46.59	45.90	42.22	45.45	50.27	48.08	NA	NA

+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Philippines

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	8	8	8	8	8	8	10	10	12	12	11	14	10
Offshore	2	2	3	3	3	3	3	3	3	3	3	3	3
Total	10	10	11	11	11	11	13	13	15	15	14	17	13
1982													
Land	14	14	14	14	12	12	12	10	10	9	9	11	12
Offshore	3	3	4	4	2	3	3	3	3	2	1	1	3
Total	17	17	18	18	14	15	15	13	13	11	10	12	15
1983													
Land	9	9	9	8	8	8	9	8	7	7	5	2	7
Offshore	1	0	0	0	0	0	0	0	0	0	1	1	0
Total	10	9	9	8	8	8	9	8	7	7	6	3	7
1984													
Land	2	2	3	3	3	3	3	3	2	2	2	2	3
Offshore	0	2	1	1	0	0	0	0	0	0	0	0	0
Total	2	4	4	4	3	3	3	3	2	2	2	2	3
1985													
Land	2	2	2	2	2	2	2	2	2	1	1	1	2
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	2	2	2	2	2	2	2	1	1	1	2
1986													
Land	1	1	1	1	1	1	1	1	1	0	0	0	1
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	1	1	1	1	1	1	1	1	0	0	0	1
1987													
Land	0	1	0	0	1	2	1	1	2	4	4	3	2
Offshore	0	1	1	1	0	0	0	0	0	0	0	0	0
Total	0	2	1	1	1	2	1	1	2	4	4	3	2
1988													
Land	4	4	4	2	3	1	1	2	3	3	3	3	3
Offshore	0	1	0	2	1	1	1	1	1	0	0	1	1
Total	4	5	4	4	4	2	2	3	4	3	3	4	4
1989													
Land	3	4	5	5	5	5	5	5	6	7	7	7	5
Offshore	1	1	1	1	1	2	3	1	2	1	0	0	1
Total	4	5	6	6	6	7	8	6	8	8	7	7	6
1990													
Land	7	6	6	4	5	6	7	7	6	7	7	5	6
Offshore	0	0	0	0	0	0	0	0	0	1	2	1	0
Total	7	6	6	4	5	6	7	7	6	8	9	6	6

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Philippines

Selected Petroleum Prices
January 1
US Dollars

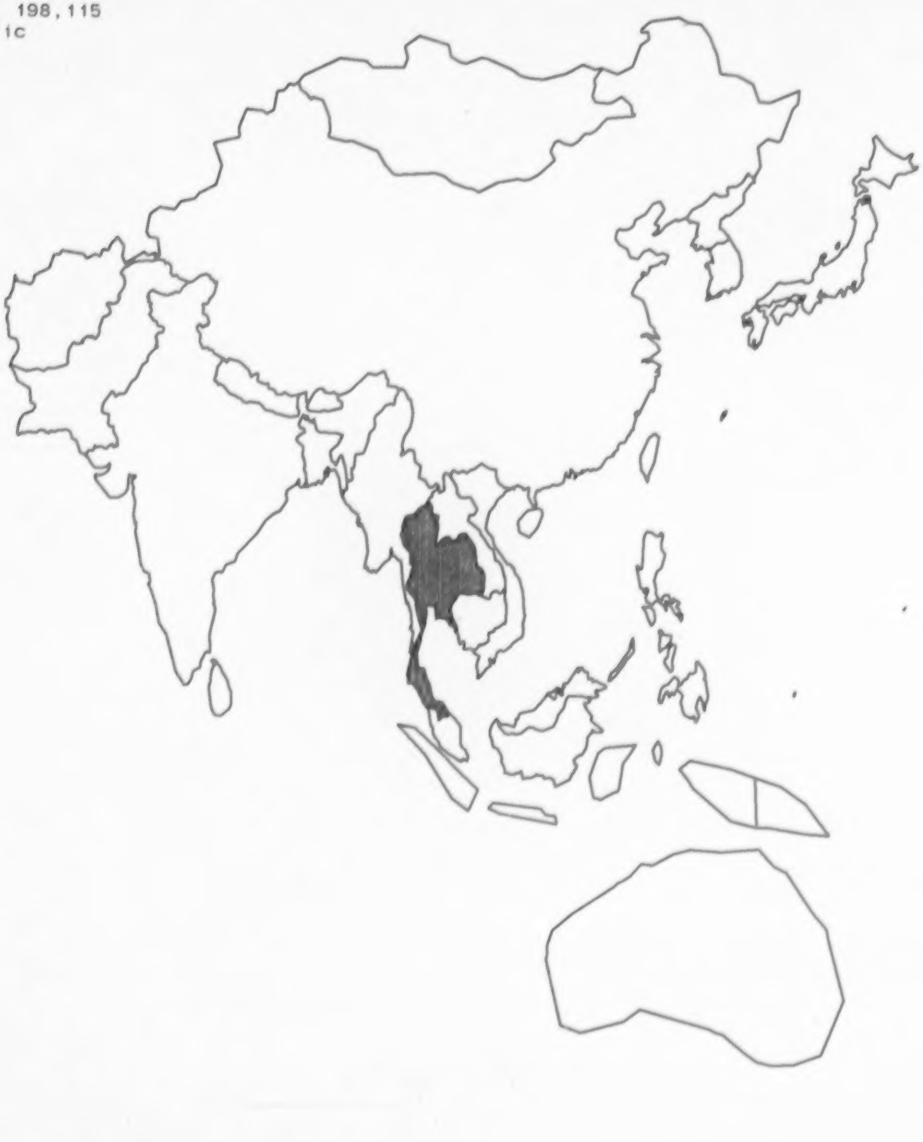
	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	2.45	1.39	NA	1.39	1.37	NA	37.20
1982	2.45	1.45	NA	1.46	1.43	NA	40.83
1983	2.14	1.28	NA	1.28	1.26	NA	NA
1984	1.75	1.20	NA	1.20	1.16	NA	38.66
1985	NA	NA	NA	NA	NA	NA	NA
1986	1.47	1.14	0.82	1.15	1.05	NA	NA
1987	1.28	0.88	NA	0.89	NA	36.98	19.46
1988	1.39	0.97	0.52	0.98	0.68	NA	NA
1989	1.03	0.66	NA	0.66	0.61	17.31	17.31
1990	1.19	0.84	NA	0.84	0.60	24.25	24.25

+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Thailand

Size (Square Miles): 198,115
Location: Asia-Pacific



Thailand

General Economic Information

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Population (Thousands)	34,678	35,745	36,884	38,017	39,142	40,257	41,359	42,450	43,532	44,602	45,659
GNP (Mill US Dollars)	6,702	7,096	7,370	8,149	10,727	13,695	14,882	16,941	19,721	23,825	27,062
GNP per Capita (US Dollars)	200	210	210	220	250	300	360	410	460	530	590
Consumer Price Index (1987=100)	29.8	29.7	29.9	31.3	36.2	45.0	47.4	49.4	53.1	57.3	63.0

	1980	1981	1982	1983	1984	1985	1986	1987	1988	Estimate 1989
Population (Thousands)	46,700	47,727	48,740	49,739	50,720	51,683	52,654	53,605	54,469	55,200
GNP (Mill US Dollars)	31,890	34,290	35,091	39,278	40,694	36,701	40,768	47,100	58,608	68,770
GNP per Capita (US Dollars)	670	750	780	810	840	800	790	850	1,030	1,230
Consumer Price Index (1987=100)	75.4	84.9	89.4	92.7	93.6	95.8	97.6	100.0	103.9	109.4

Data from Oil & Gas Journal Energy Database.
Source: World Bank

Thailand

Energy Consumption and Production by Source
Quadrillion BTU

Consumption

	Petroleum	Coal	Hydroelectric Power	Primary Energy
1980	0.48	0.02	0.01	0.51
1981	0.45	0.02	0.03	0.50
1982	0.42	0.02	0.04	0.48
1983	0.44	0.02	0.04	0.50
1984	0.49	0.03	0.04	0.56
1985	0.47	0.05	0.04	0.56
1986	0.48	0.06	0.06	0.60
1987	0.53	0.09	0.04	0.66
1988	0.58	0.07	0.04	0.69
1989	0.69	0.09	0.04	0.82

Production

	Natural Gas	Coal	Hydroelectric Power	Primary Energy
1973	NA	NA	0.02	NA
1974	NA	NA	0.03	NA
1975	0.00	*	0.03	0.03
1976	0.00	0.01	0.04	0.05
1977	0.00	*	0.03	0.03
1978	0.00	*	0.02	0.02
1979	0.00	*	0.03	0.03
1980	0.00	0.01	0.01	0.02
1981	0.04	0.02	0.03	0.09
1982	0.05	0.01	0.04	0.10
1983	0.06	0.02	0.04	0.12
1984	0.07	0.02	0.04	0.13
1985	0.13	0.05	0.04	0.22
1986	0.12	0.05	0.06	0.23
1987	0.14	0.08	0.04	0.26
1988	0.20	0.06	0.04	0.30
1989	0.21	0.06	0.04	0.31

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Thailand

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Exploration, Drilling & Production												
Active Drilling Rigs	**(Number)**	5	7	8	13	11	9	4	6	6	6	5
Well Completions	**(Total)**	25	21	45	110	115	92	29	51	98	NA	NA
Crude Oil Reserves, Beginning of Year	**(Mill bbl)**	0	0	0	103	45	156	107	101	99	85	231
Nat. Gas Reserves, Beginning of Year	**(bcf)**	8,000	8,000	12,000	11,000	8,500	5,900	5,400	7,400	3,720	3,885	6,910
Crude Oil Production	**(000 b/d)**	0	0	0	6	18	34	35	32	37	39	42
Nat. Gas Production	**(bcf)**	NA	NA	NA	54	78	121	115	162	193	187	210
Crude Oil & Natural Gas Processing												
Crude Refinery Capacity	**(000 b/d)**	186	186	176	176	176	172	192	192	192	191	215
Petroleum Product Demand												
Motor Gasoline Demand+	**(000 b/d)**	39	36	35	38	40	38	39	45	50	NA	NA
Middle Distillate Demand	**(000 b/d)**	75	69	72	72	89	95	98	111	123	NA	NA
Heavy Fuel Oil Demand	**(000 b/d)**	68	63	50	56	52	40	42	44	45	NA	NA
Total Product Demand	**(000 b/d)**	224	214	199	214	233	225	234	259	283	NA	NA
Exports & Imports												
Crude Oil Exports	**(000 b/d)**	0	0	0	0	0	0	9	11	15	NA	NA
Pet Product Exports	**(000 b/d)**	*	*	*	*	2	1	2	9	5	NA	NA
Total Pet Exports	**(000 b/d)**	0	0	0	0	2	1	11	20	20	NA	NA
Crude Oil Imports	**(000 b/d)**	169	165	148	151	138	138	144	154	153	NA	NA
Pet Product Imports	**(000 b/d)**	66	52	46	52	87	52	56	83	91	NA	NA
Total Pet Imports	**(000 b/d)**	235	217	194	203	225	190	200	237	244	NA	NA
Net Crude Imports (Exports)	**(000 b/d)**	169	165	148	151	138	138	135	143	138	NA	NA
Net Pet Product Imports (Exports)	**(000 b/d)**	66	52	46	52	85	51	54	74	86	NA	NA
Net Tot Petroleum Imports (Exports)	**(000 b/d)**	235	217	194	203	223	189	189	217	224	NA	NA
Total Pet Imports, % of Demand	**(Percent)**	51.20	49.43	48.02	45.72	47.07	41.30	42.19	44.80	41.50	NA	NA
Net Tot Pet Impts (Expts), % of Demand	**(Percent)**	51.20	49.43	48.02	45.72	46.65	41.09	39.87	41.02	38.10	NA	NA

* Denotes less than one-half the unit of measure.
+ Data for 1980-1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute, Baker Hughes Inc., British Petroleum, Energy Information Administration, Oil & Gas Journal

Thailand

Active Drilling Rigs
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	1	1	2	2	2	2	3	3	3	3	3	3	2
Offshore	4	4	5	5	5	5	4	5	5	5	4	4	5
Total	5	5	7	7	7	7	7	8	8	8	7	7	7
1982													
Land	3	3	3	3	3	3	3	3	3	3	3	3	3
Offshore	5	6	6	5	5	5	5	5	5	5	4	4	5
Total	8	9	9	8	8	8	8	8	8	8	7	7	8
1983													
Land	5	5	5	6	6	7	7	7	7	6	7	6	6
Offshore	4	5	6	7	7	8	7	7	7	6	6	6	6
Total	9	10	11	13	13	15	14	14	14	12	13	12	12
1984													
Land	5	5	5	5	5	5	5	5	6	6	6	6	5
Offshore	6	6	6	6	6	6	6	6	6	6	6	5	6
Total	11	11	11	11	11	11	11	11	12	12	12	11	11
1985													
Land	5	5	5	5	5	5	4	4	4	3	3	3	4
Offshore	5	5	5	5	5	5	5	5	5	4	4	3	5
Total	10	10	10	10	10	10	9	9	9	7	7	6	9
1986													
Land	3	3	3	3	3	2	2	2	2	2	2	2	2
Offshore	3	3	1	1	1	1	1	1	1	1	1	1	1
Total	6	6	4	4	4	3	3	3	3	3	3	3	3
1987													
Land	2	2	2	2	2	2	3	3	3	3	3	3	3
Offshore	1	2	2	2	3	3	3	4	4	4	5	4	3
Total	3	4	4	4	5	5	6	7	7	7	8	7	6
1988													
Land	3	2	2	1	1	2	2	2	3	3	3	2	2
Offshore	4	4	4	4	4	3	3	3	3	3	3	3	3
Total	7	6	6	5	5	5	5	5	6	6	6	5	5
1989													
Land	3	3	3	2	2	1	2	3	2	2	3	3	2
Offshore	4	4	4	3	3	3	3	3	3	3	3	3	3
Total	7	7	7	5	5	4	5	6	5	5	6	6	5
1990													
Land	3	3	3	3	3	3	3	3	2	2	2	2	3
Offshore	2	2	2	3	3	4	3	3	4	3	2	2	3
Total	5	5	5	6	6	7	6	6	6	5	4	4	6

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Thailand

Crude Oil Production
Thousand Barrels per Day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	*	*	*	*	*	*	*	*	*	*	*	*	0.3
1971	*	*	*	*	*	*	*	*	*	*	*	*	0.4
1972	*	*	*	*	*	*	*	*	*	*	*	*	0.3
1973	*	*	*	*	*	*	*	*	*	*	*	*	0.3
1974	*	*	*	*	*	*	*	*	*	*	*	*	0.2
1975	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1976	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1977	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1978	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1979	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1980	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1981	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1982	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1983	5	5	5	4	4	4	5	7	8	9	10	10	6.3
1984	10	10	11	11	11	19	20	20	26	27	26	26	18.1
1985	26	26	34	35	37	38	39	35	36	35	35	35	34.3
1986	37	37	38	31	36	36	35	34	33	33	33	35	34.8
1987	35	33	33	31	31	32	31	30	31	31	34	33	32.1
1988	37	38	42	33	36	39	38	40	39	36	33	33	37.0
1989	38	35	38	32	40	41	40	40	41	41	40	38	38.7
1990	41	41	42	41	41	42	43	43	43	43	43	43	42.2

Natural Gas
Billion Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1983	3.8	3.4	4.1	4.4	4.7	4.7	4.8	4.9	4.7	4.6	4.7	5.4	54.2
1984	5.5	5.4	5.9	5.9	6.3	6.4	6.9	6.9	7.0	7.0	7.4	7.7	78.3
1985	8.0	9.0	10.2	10.4	10.3	11.0	10.8	11.3	10.0	10.3	10.0	9.8	121.1
1986	10.3	8.6	10.4	9.7	10.1	9.2	9.1	8.9	8.2	9.9	9.6	10.5	114.5
1987	10.2	11.0	12.5	11.9	13.0	15.4	14.9	14.6	15.7	14.9	13.9	14.1	162.1
1988	14.0	15.3	16.0	15.9	16.7	16.8	16.5	16.9	16.3	17.0	15.8	16.0	193.2
1989	16.0	14.8	16.8	16.6	16.1	10.0	16.1	16.1	15.1	16.2	16.0	17.3	187.1
1990	16.8	15.2	17.4	16.7	17.2	17.0	17.3	17.7	17.7	18.4	19.3	19.5	210.2

* Less than one 500 barrels per day

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Thailand

Selected Petroleum Prices
January 1
US Dollars

	Gasoline + ($/Gal)	Diesel Fuel ($/Gal)	Residential Light Fuel Oil ($/Gal)	Residential Kerosene ($/Gal)	Residential LPG ($/Gal)	Industrial Light Fuel Oil ($/Bbl)	Industrial Heavy Fuel Oil ($/Bbl)
1981	2.22	1.38	1.33	1.14	1.01	NA	34.99
1982	2.21	1.21	0.77	1.01	0.84	NA	30.28
1983	2.21	1.22	0.77	1.01	0.84	NA	30.35
1984	1.92	1.00	0.59	1.01	0.89	NA	24.73
1985	1.62	0.78	0.50	0.69	0.75	NA	10.22
1986	1.66	0.95	0.51	0.88	0.77	39.97	21.39
1987	1.30	0.92	0.47	0.89	0.78	38.58	15.80
1988	1.34	0.95	0.47	0.92	0.80	39.70	18.53
1989	1.27	0.92	NA	0.75	0.81	37.38	18.38
1990	1.24	0.89	NA	0.90	0.78	36.30	17.84

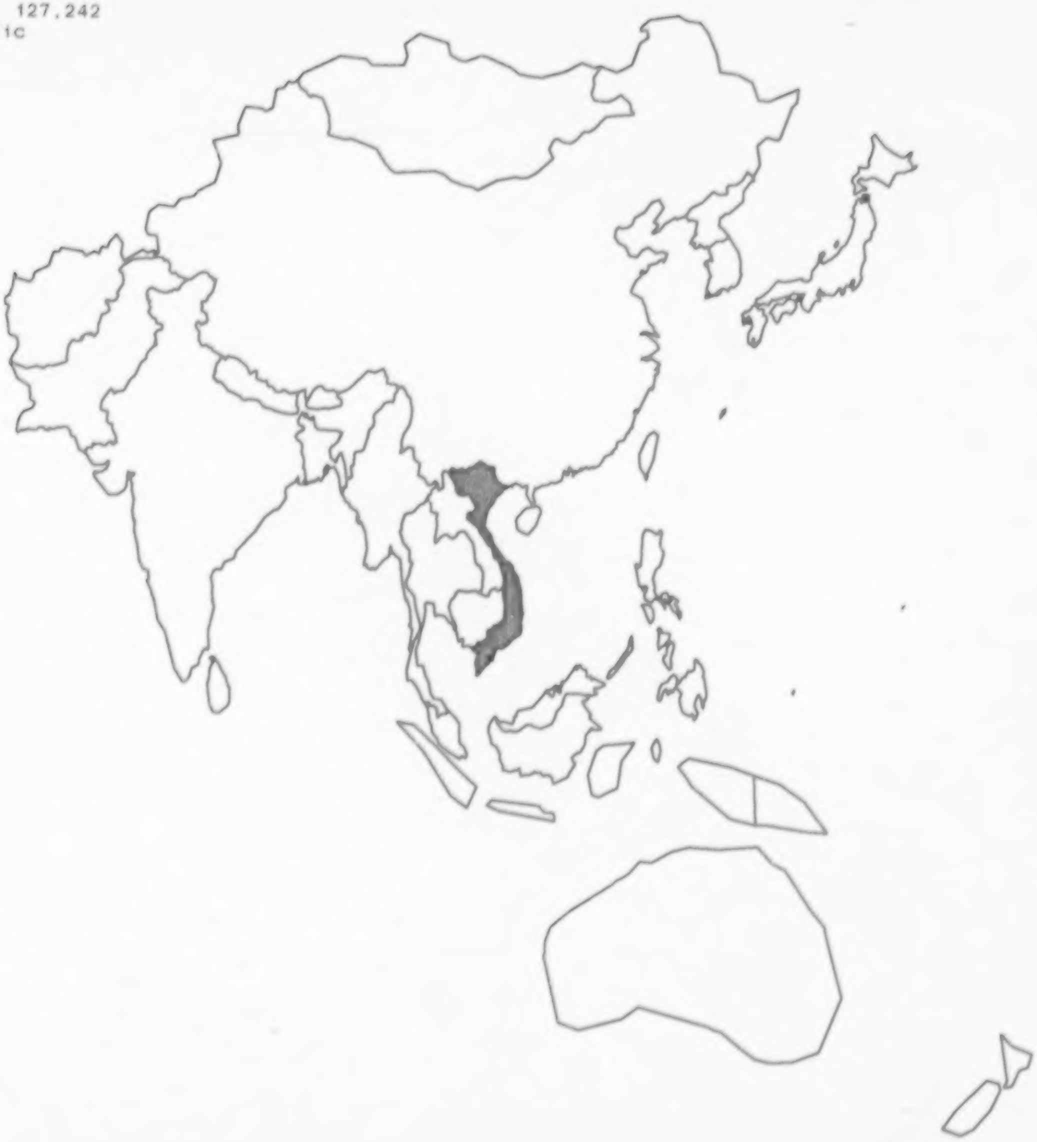
+ Gasoline is premium leaded.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Notes

Vietnam

Size (Square Miles): 127,242
Location: Asia-Pacific



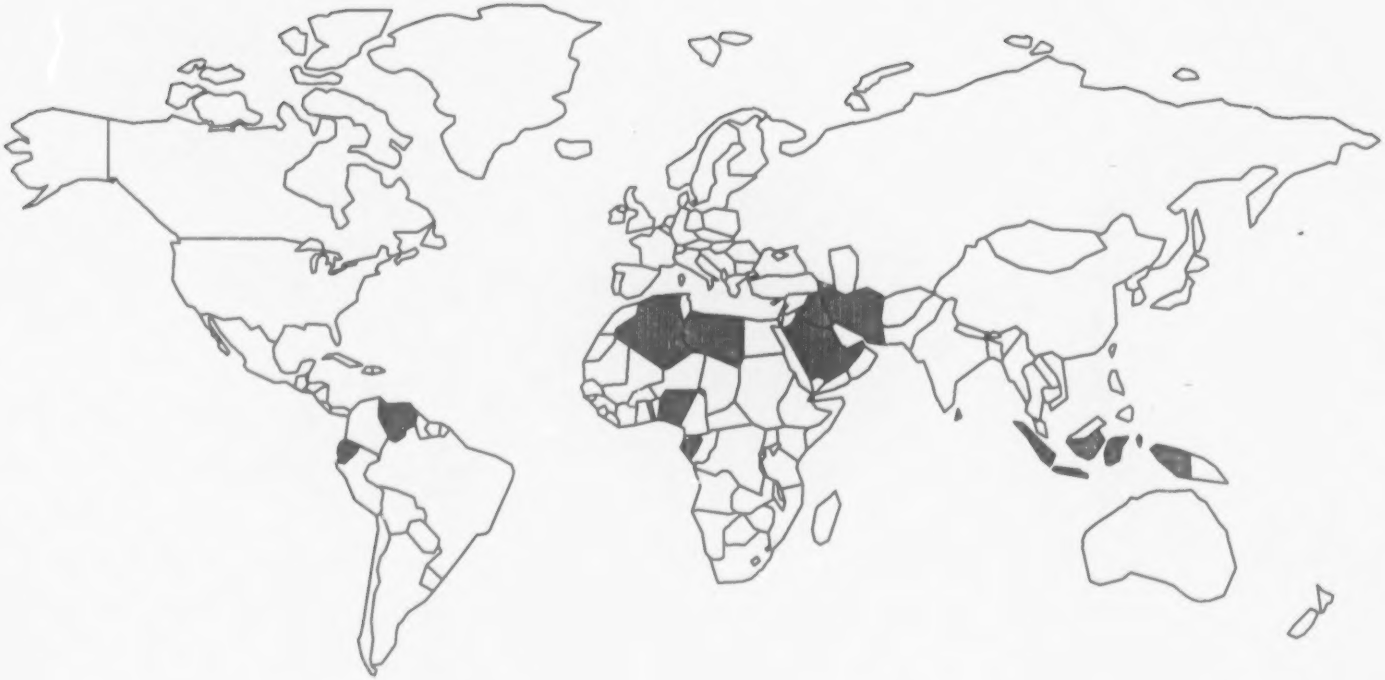
Vietnam

Energy Consumption and Production		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Petroleum Consumption	(Quad BTU)	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	NA
Coal Consumption	(Quad BTU)	0.11	0.15	0.13	0.14	0.11	0.11	0.12	0.13	0.14	0.15	NA
Primary Energy Consumption	(Quad BTU)	0.16	0.21	0.19	0.20	0.17	0.17	0.18	0.19	0.20	0.22	NA
Coal Production	(Quad BTU)	0.15	0.15	0.14	0.15	0.13	0.13	0.14	0.14	0.14	0.14	NA
Exploration, Drilling & Production												
Crude Oil Production	(000 b/d)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40
Petroleum Product Demand												
Motor Gasoline Demand+	(000 b/d)	NA	7	6	6	6	6	7	7	7	NA	NA
Middle Distillate Demand	(000 b/d)	NA	9	9	9	9	9	10	10	10	NA	NA
Heavy Fuel Oil Demand	(000 b/d)	NA	7	8	9	9	9	9	9	9	NA	NA
Total Product Demand	(000 b/d)	NA	26	26	27	27	28	29	30	30	NA	NA

+ Data for 1980 1985 include aviation gasoline.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, Oil & Gas Journal

OPEC
Organization of Petroleum Exporting Countries



OPEC

OPEC Summary

		1980	1981	1982	1983	1984	1985
Active Drilling Rigs	**(Number)**	413	399	414	348	284	291
Crude Oil Reserves, Beg. of Yr.	**(Mil bbl)**	435,591	434,355	436,500	445,157	448,420	476,415
Nat. Gas Reserves, Beg. of Yr.	**(bcf)**	995,930	1,005,125	1,021,140	1,010,674	1,017,629	1,118,247
Max. Sustainable Productive Capacity+	**(000 bbl)**	NA	NA	NA	34,740	34,840	34,400
Crude Oil Production	**(000 b/d)**	26,480.6	22,553.5	18,663.4	17,277.5	17,368.5	16,120.4
Natural Gas Production	**(bcf)**	3,578.9	4,991.4	3,992.2	3,335.4	3,715.7	4,476.9
Refinery Capacity	**(000 b/d)**	5,767.5	5,995.5	5,136.2	5,893.9	6,179.5	6,429.5
Refined Products Output	**(000 b/d)**	3,853.3	3,943.4	4,350.8	4,493.2	4,648.9	5,003.6
Refinery Utilization Rate	**(Percent)**	66.8	65.8	84.7	76.2	75.2	77.8
Consumption of Refined Products	**(000 b/d)**	2,429.8	2,819.4	3,043.6	3,275.0	3,156.3	3,199.2
Crude Oil Exports	**(000 b/d)**	22,864.1	18,568.8	14,296.1	12,506.5	12,043.9	10,926.4
Petroleum Product Exports	**(000 b/d)**	2,008.6	1,979.3	2,225.7	2,023.1	2,281.3	2,368.2
Petroleum Product Imports	**(000 b/d)**	375	368	405	322	283	204

		1986	1987	1988	1989	1990
Active Drilling Rigs	**(Number)**	238	175	205	207	226
Crude Oil Reserves, Beg. of Yr.	**(Mil bbl)**	475,211	477,523	670,655	676,009	767,100
Nat. Gas Reserves, Beg. of Yr.	**(bcf)**	1,116,157	1,193,160	1,452,720	1,553,616	1,461,058
Max. Sustainable Productive Capacity+	**(000 bbl)**	34,400	27,830	27,830	27,440	22,840
Crude Oil Production	**(000 b/d)**	18,072.3	17,755.6	19,644.2	21,964.6	23,298.1
Natural Gas Production	**(bcf)**	4,802.0	6,017.4	6,427.4	7,364.9	7,856.6
Refinery Capacity	**(000 b/d)**	6,394.2	6,530.0	6,472.0	6,926.4	NA
Refined Products Output	**(000 b/d)**	5,334.4	5,371.3	5,914.7	6,258.6	NA
Refinery Utilization Rate	**(Percent)**	83.4	82.3	91.4	90.4	NA
Consumption of Refined Products	**(000 b/d)**	3,163.8	3,270.9	3,423.6	3,549.1	NA
Crude Oil Exports	**(000 b/d)**	12,939.8	12,060.4	13,367.0	15,128.8	NA
Petroleum Product Exports	**(000 b/d)**	2,642.0	3,017.2	3,395.3	3,599.5	NA
Petroleum Product Imports	**(000 b/d)**	268	398	464	NA	NA

* Denotes less than one-half the unit of measure.
+ Maximum production rate which could be sustained for one year.

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc., Central Intelligence Agency, Energy Information Administration, Oil & Gas Journal, OPEC Secretariat

OPEC

Active Drilling Rigs

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Algeria	101	109	111	91	81	54	27	35	41	40	32	24	35
Ecuador	1	3	3	4	6	5	4	2	3	3	6	5	2
Gabon	4	6	8	13	12	7	6	7	3	3	5	6	5
Indonesia	62	66	77	86	92	88	82	80	62	37	44	46	52
Iran	53	8	0	0	3	13	20	20	18	18	18	20	19
Iraq	29	32	39	14	11	23	19	28	21	10	23	26	23
Kuwait	2	2	3	3	4	5	5	6	6	6	6	4	2
Libya	28	33	41	33	31	24	26	30	20	12	16	17	15
Nigeria	16	18	20	23	27	17	11	10	10	11	13	14	18
Qatar	6	6	8	7	5	3	2	3	1	1	3	3	2
Saudi Arabia	22	22	25	29	29	26	16	11	6	5	4	5	10
United Arab Emirates	18	21	26	33	44	42	36	26	18	11	10	9	12
Abu Dhabi	16	20	23	31	41	35	29	21	15	9	7	6	9
Dubai	2	1	3	2	3	7	7	5	3	2	3	3	3
Venezuela	33	47	52	63	69	41	30	33	29	18	25	28	32
Total OPEC	**375**	**373**	**413**	**399**	**414**	**348**	**284**	**291**	**238**	**175**	**205**	**207**	**228**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

OPEC

Crude Oil Reserves
Beginning of Year
Million Barrels

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Algeria	6,600	6,300	8,440	8,200	8,080	9,440	9,220	9,000	8,820	8,800	8,500	8,400	9,200	9,200
Ecuador	1,640	1,170	1,100	1,100	850	1,400	1,675	1,400	1,650	1,672	1,615	1,350	1,514	1,420
Gabon	2,050	1,970	500	450	480	460	490	510	520	645	645	720	733	730
Indonesia	10,000	10,200	9,600	9,500	9,800	9,550	9,100	8,650	8,500	8,300	8,400	8,250	8,200	11,050
Iran	62,000	59,000	58,000	57,500	57,000	55,308	51,000	48,500	47,876	48,800	92,850	92,850	92,860	92,850
Iraq	34,500	32,100	31,000	30,000	29,700	41,000	43,000	44,500	44,110	47,100	100,000	100,000	100,000	100,000
Kuwait	67,000	66,200	65,400	64,900	64,480	64,230	63,900	90,000	89,774	91,916	91,920	91,920	94,525	94,525
Libya	25,000	24,300	23,500	23,000	22,600	21,500	21,270	21,100	21,300	21,300	21,000	22,000	22,800	22,800
Neutral Zone	6,200	6,480	6,260	6,060	6,500	5,840	5,695	5,420	5,380	5,212	5,210	5,210	5,200	5,000
Nigeria	18,700	18,200	17,400	16,700	16,500	16,750	16,550	16,650	16,600	16,000	15,980	16,000	16,000	17,100
Qatar	5,600	4,000	3,760	3,585	3,434	3,425	3,330	3,350	3,300	3,154	3,150	3,150	4,500	4,500
Saudi Arabia	150,000	165,700	163,350	165,000	164,600	162,400	166,000	169,000	168,800	166,574	166,980	169,970	254,959	257,504
United Arab Emirates	32,425	31,316	29,411	30,410	32,176	32,354	32,340	32,490	32,990	33,050	98,105	98,105	98,105	98,100
Abu Dhabi	31,000	30,000	28,000	29,000	30,600	30,510	30,400	30,500	31,000	31,000	92,205	92,205	92,205	92,200
Dubai	1,400	1,300	1,400	1,400	1,270	1,440	1,440	1,440	1,400	1,350	4,000	4,000	4,000	4,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	100	100	100	200	400	400	400	400
Sharjah	25	16	11	10	306	404	400	450	490	500	1,500	1,500	1,500	1,500
Venezuela	18,200	18,000	17,870	17,950	20,300	21,500	24,850	25,845	25,591	25,000	56,300	58,084	58,504	59,040
Total OPEC	**439,915**	**444,936**	**435,591**	**434,355**	**436,500**	**445,157**	**448,420**	**476,415**	**475,211**	**477,523**	**670,655**	**676,009**	**767,100**	**773,819**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

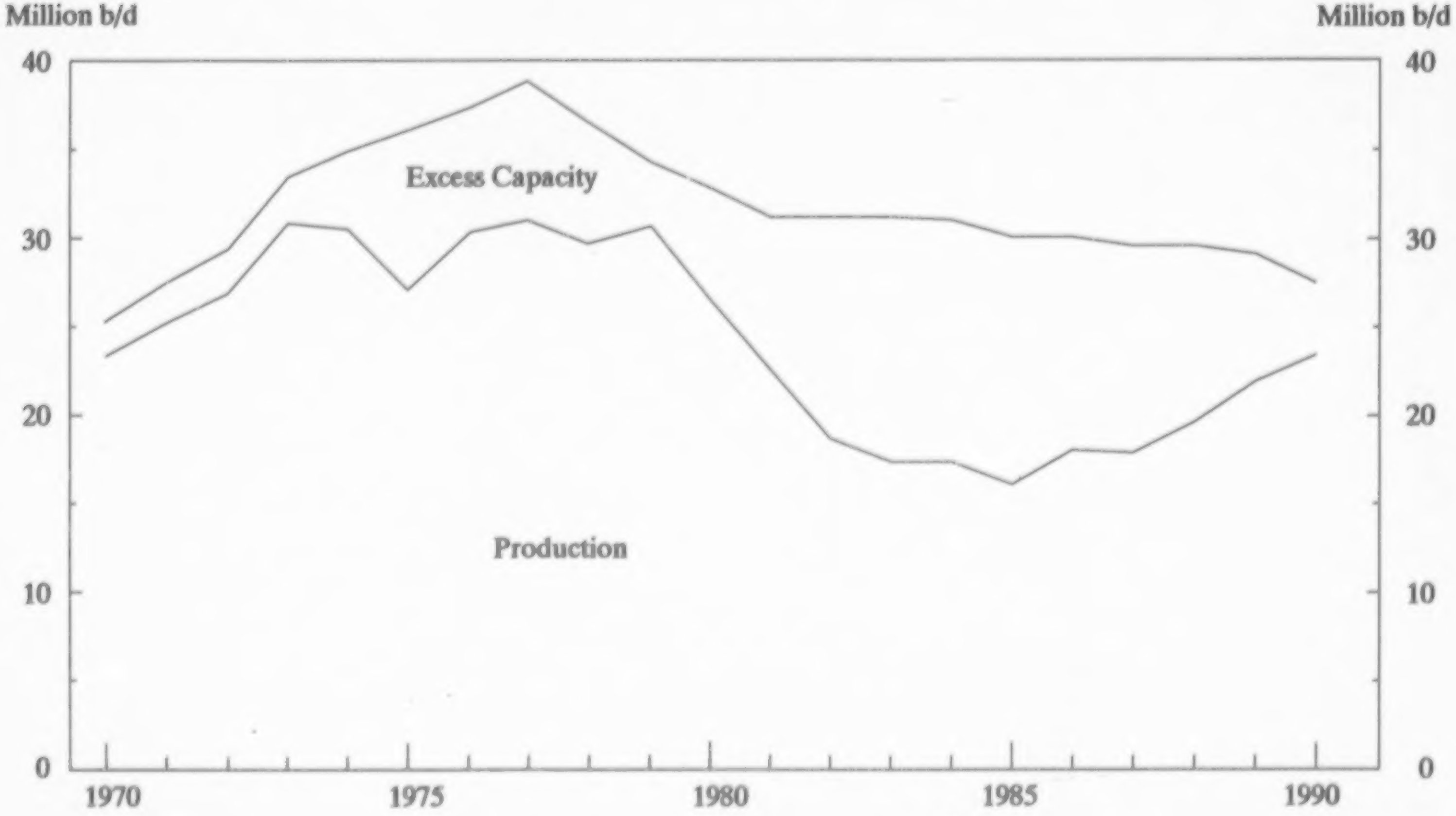
Natural Gas Reserves
Beginning of Year
Billion Cubic Feet

	1978	1979	1980	1981	1982	1983	1984
Algeria	125,000	105,000	132,000	131,500	130,900	111,250	110,180
Ecuador	5,000	4,000	4,000	4,000	4,300	4,100	3,526
Gabon	2,450	2,400	500	500	490	485	500
Indonesia	24,000	24,000	24,000	23,500	27,400	29,600	30,200
Iran	500,000	500,000	490,000	485,000	484,000	482,600	480,000
Iraq	28,000	27,800	27,500	27,450	27,300	28,800	29,000
Kuwait	31,500	31,300	31,000	30,800	30,500	29,900	31,000
Libya	25,700	24,200	24,000	23,800	23,200	21,500	21,350
Neutral Zone	5,000	5,000	5,000	4,800	8,300	8,380	8,307
Nigeria	43,000	42,000	41,400	41,000	40,500	32,400	34,800
Qatar	40,000	40,000	60,000	60,000	60,000	62,000	62,000
Saudi Arabia	85,000	93,900	93,230	110,000	114,000	117,000	121,000
United Arab Emirates	21,500	21,600	20,500	20,775	23,250	28,580	31,220
Abu Dhabi	20,000	20,000	19,000	20,000	19,500	19,260	20,500
Dubai	1,500	1,600	1,500	775	750	4,320	4,320
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	400
Sharjah	0	0	0	0	3,000	5,000	6,000
Venezuela	41,000	41,000	42,800	42,000	47,000	54,079	54,546
Total OPEC	**977,150**	**962,200**	**995,930**	**1,005,125**	**1,021,140**	**1,010,674**	**1,017,629**

	1985	1986	1987	1988	1989	1990	1991
Algeria	109,100	107,080	106,000	105,900	104,200	114,000	114,700
Ecuador	3,000	4,090	4,050	4,020	4,020	3,990	3,950
Gabon	550	420	500	600	600	560	490
Indonesia	40,000	35,600	49,440	73,000	83,590	87,015	91,450
Iran	478,600	470,000	450,000	489,400	494,400	500,000	600,350
Iraq	28,800	29,000	28,000	26,300	95,000	95,000	95,000
Kuwait	32,500	32,500	35,000	36,400	42,500	48,600	48,600
Libya	21,200	21,390	21,180	25,700	25,700	25,500	43,000
Neutral Zone	8,290	8,210	12,400	12,300	12,300	12,000	10,000
Nigeria	35,600	47,000	47,000	84,000	85,000	87,400	87,400
Qatar	150,000	148,000	152,000	156,700	156,700	2,000	163,200
Saudi Arabia	123,270	121,000	123,990	139,900	145,848	11,000	180,355
United Arab Emirates	31,970	32,800	104,600	203,500	201,515	373,147	200,400
Abu Dhabi	20,750	20,500	90,000	183,500	183,500	182,900	182,800
Dubai	4,320	4,400	4,400	6,000	5,015	4,900	4,800
Ra's al Khaymah	400	400	1,200	2,000	2,000	181,347	2,000
Sharjah	6,500	7,500	9,000	12,000	11,000	4,000	10,800
Venezuela	55,367	59,067	59,000	95,000	102,243	100,846	105,688
Total OPEC	**1,118,247**	**1,116,157**	**1,193,160**	**1,452,720**	**1,553,616**	**1,461,058**	**1,744,583**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Total OPEC Excess Productive Capacity



Source: OGJ

OPEC

Maximum Sustainable Productive Capacity*
Thousand Barrels per Day

	1983	1984	1985	1986	1987	1988	1989	1990
Algeria	900	900	900	900	900	900	800	800
Ecuador	225	225	285	285	330	330	330	330
Gabon	150	150	150	150	200	200	200	200
Indonesia	1,650	1,650	1,650	1,650	1,500	1,500	1,300	1,300
Iran	5,500	5,500	5,500	5,500	3,000	3,000	3,000	3,000
Iraq	3,500	3,500	3,500	3,500	2,500	2,500	3,500	NA
Kuwait	2,500	2,500	2,000	2,000	2,200	2,200	2,200	NA
Libya	2,100	2,100	2,100	2,100	1,600	1,600	1,600	1,500
Neutral Zone	600	600	600	600	600	600	600	300
Nigeria	2,200	2,200	2,200	2,200	1,700	1,700	1,700	1,700
Qatar	600	600	600	600	600	600	600	600
Saudi Arabia	10,000	10,000	10,000	10,000	8,300	8,300	7,000	8,500
United Arab Emirates	2,415	2,415	2,415	2,415	2,000	2,000	2,210	2,210
Abu Dhabi	2,035	2,035	2,035	2,035	1,600	1,600	1,800	1,800
Dubai	370	370	370	370	390	390	400	400
Sharjah	10	10	10	10	10	10	10	10
Venezuela	2,400	2,500	2,500	2,500	2,400	2,400	2,400	2,400
Total OPEC	**34,740**	**34,840**	**34,400**	**34,400**	**27,830**	**27,830**	**27,440**	**22,840**

* Maximum production rate which could be sustained for one year.

Data from Oil & Gas Journal Energy Database.
Source: Central Intelligence Agency

OPEC

Crude Oil Production
Thousand Barrels per Day

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Algeria	1,093.8	1,102.1	1,004.2	812.5	774.6	685.0	608.3	647.1	622.0	652.4	641.7	706.7	793.3
Ecuador	201.9	222.3	222.1	211.5	209.2	233.0	258.8	275.7	285.0	173.9	303.9	279.3	286.0
Gabon	225.0	215.3	178.2	150.8	140.8	148.3	150.0	152.5	159.0	157.3	167.1	213.3	273.3
Indonesia	1,643.3	1,598.6	1,570.8	1,603.8	1,344.8	1,301.1	1,360.8	1,242.3	1,256.7	1,185.8	1,137.5	1,222.9	1,284.2
Iran	5,210.3	3,029.2	1,454.2	1,333.3	1,991.7	2,466.7	2,175.0	2,241.7	1,850.0	2,309.2	2,236.7	2,947.5	3,143.3
Iraq	2,629.2	3,450.0	2,687.5	916.3	916.7	883.3	1,208.3	1,447.5	1,690.8	2,135.0	2,689.2	2,890.0	2,055.5
Kuwait	1,864.8	2,199.2	1,323.6	940.0	666.7	887.5	945.8	862.5	1,241.7	1,120.8	1,333.3	1,591.7	1,090.8
Lybia	1,987.3	2,059.3	1,707.9	1,107.5	1,200.0	1,018.3	1,091.7	1,047.5	1,037.3	1,093.8	1,025.0	1,129.2	1,356.7
Neutral Zone	456.9	566.4	519.7	372.3	304.7	391.2	425.5	352.5	337.5	387.1	312.9	397.1	309.6
Nigeria	1,916.3	2,307.0	2,011.0	1,436.7	1,289.7	1,233.8	1,418.8	1,481.7	1,464.0	1,254.5	1,390.0	1,616.7	1,791.7
Qatar	483.1	506.4	459.8	405.7	331.0	294.4	397.4	298.8	331.7	280.3	345.8	388.5	383.3
Saudi Arabia	8,062.5	9,250.0	9,504.2	9,641.7	6,375.0	4,850.0	4,466.7	3,283.3	4,833.3	4,025.0	4,941.7	4,991.7	6,300.0
United Arab Emirates	1,833.1	1,830.4	1,680.5	1,513.0	1,229.8	1,109.2	1,151.2	1,141.7	1,327.5	1,399.6	1,470.8	1,862.5	2,118.3
Venezuela	2,141.8	2,361.5	2,157.2	2,108.6	1,889.0	1,775.8	1,710.3	1,645.8	1,635.8	1,580.8	1,648.6	1,727.6	2,112.2
Total OPEC	**29,749.2**	**30,697.8**	**26,480.6**	**22,553.5**	**18,663.4**	**17,277.5**	**17,368.5**	**16,120.4**	**18,072.3**	**17,755.6**	**19,644.2**	**21,964.6**	**23,298.1**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

OPEC

Natural Gas Production
Billion Cubic Feet

	1978	1979	1980	1981	1982	1983	1984	1985	1986_	1987	1988	1989	1990
Algeria	328.7	338.5	517.0	1,148.8	793.0	706.8	810.0	1,300.0	1,238.3	1,417.2	1,542.5	1,576.4	1,588.0
Ecuador	99.9	159.4	101.8	89.0	8.2	8.2	16.8	15.6	2.6	2.3	3.5	3.6	3.6
Gabon	2.9	3.5	7.1	4.1	3.8	4.8	4.8	8.1	2.4	2.4	2.4	3.2	3.6
Indonesia	565.8	816.3	1,028.4	1,075.0	865.6	488.0	596.0	944.0	1,153.3	1,220.3	1,223.7	1,345.7	1,247.9
Iran	1,746.9	913.3	289.0	53.0	269.1	498.0	460.0	440.0	489.3	647.6	619.9	793.9	854.7
Iraq	115.7	48.8	18.0	71.0	38.3	20.1	18.5	21.6	21.0	46.2	110.4	200.8	140.7
Kuwait	188.0	205.5	291.3	339.9	219.4	144.7	144.0	144.0	144.4	162.1	174.6	222.8	147.8
Lybia	364.0	162.0	132.8	674.7	204.1	98.8	150.0	158.0	165.6	200.7	198.0	182.0	202.9
Neutral Zone	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nigeria	586.6	365.6	187.6	66.0	44.4	131.8	157.0	88.0	72.8	94.5	126.0	134.6	133.9
Qatar	46.7	26.9	38.2	205.0	168.9	87.1	98.0	200.0	206.2	165.6	204.2	256.3	265.1
Saudi Arabia	102.2	208.6	310.2	435.0	493.1	384.2	386.0	232.0	328.7	802.5	899.3	1,079.8	1,314.3
United Arab Emirates	NA	NA	139.3	227.9	308.0	203.7	265.0	316.0	362.1	574.3	600.0	790.7	1,092.1
Venezuela	401.4	406.0	518.2	602.0	576.3	559.2	609.6	609.6	615.3	681.7	722.9	775.1	862.0
Total OPEC	**4,548.8**	**3,654.4**	**3,578.9**	**4,991.4**	**3,992.2**	**3,335.4**	**3,715.7**	**4,476.9**	**4,802.0**	**6,017.4**	**6,427.4**	**7,364.9**	**7,856.6**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

OPEC

Refinery Capacity
Thousand Barrels per Day

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	115.8	135.1	471.2	471.2	471.2	471.2	471.2	471.2	471.2	471.2	471.2	474.5
Ecuador	99.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	133.0	133.0	135.1
Gabon	44.0	44.0	44.0	44.0	44.0	44.0	44.0	21.0	21.0	21.0	20.0	20.0
Indonesia	473.4	473.4	473.4	473.4	473.4	837.0	837.0	837.0	738.7	738.7	738.7	751.3
Iran	1,080.0	1,080.0	1,320.0	1,320.0	670.0	670.0	615.0	615.0	615.0	615.0	615.0	766.0
Iraq	295.5	305.5	305.5	305.5	215.5	365.5	365.5	365.5	365.5	365.5	365.5	550.0
Kuwait	594.0	594.0	594.0	594.0	594.0	564.0	564.0	564.0	614.0	670.0	670.0	670.0
Libya	117.0	117.0	117.0	117.0	117.0	117.0	315.0	333.0	342.0	342.0	342.0	342.0
Nigeria	144.0	144.0	234.0	234.0	234.0	234.0	234.0	234.0	243.0	265.5	265.5	400.5
Qatar	9.7	10.5	10.5	10.5	13.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
Saudi Arabia	758.0	758.0	645.0	765.0	765.0	935.0	1,190.0	1,440.0	1,440.0	1,425.0	1,425.0	1,425.0
United Arab Emirates	13.5	13.5	13.5	121.5	121.5	175.5	162.0	162.0	162.0	162.0	162.0	162.0
Venezuela	1,444.9	1,444.9	1,444.9	1,444.9	1,323.1	1,323.1	1,224.2	1,229.2	1,224.2	1,258.1	1,201.1	1,167.0
Total OPEC	**5,189.3**	**5,214.4**	**5,787.5**	**5,995.5**	**5,136.2**	**5,893.9**	**6,179.5**	**6,429.5**	**6,394.2**	**6,530.0**	**6,472.0**	**6,926.4**

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

OPEC

Refined Products Output
Thousand Barrels per Day

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	141.1	153.0	217.4	283.7	400.2	386.8	407.9	390.0	433.0	431.0	457.0	472.1
Ecuador	79.6	85.3	90.3	86.7	89.9	73.3	90.7	83.6	95.3	78.9	112.2	101.6
Gabon	33.5	27.1	23.1	24.9	26.9	17.1	11.7	12.3	9.9	8.4	11.9	14.7
Indonesia	436.9	509.7	526.9	530.8	534.0	526.1	499.3	501.4	550.0	568.7	606.5	640.4
Iran	670.0	661.0	582.3	626.6	658.7	624.0	618.0	647.0	558.4	519.9	578.3	653.6
Iraq	182.6	183.0	187.0	190.0	190.5	292.0	340.0	344.0	346.4	366.9	396.3	421.7
Kuwait	373.3	439.8	336.5	276.3	420.0	468.4	478.9	566.5	599.0	619.0	707.7	783.6
Libya	113.6	98.4	108.6	111.3	121.6	126.4	128.5	143.9	182.1	220.3	255.6	274.0
Nigeria	60.2	89.0	120.9	151.9	162.1	151.2	160.2	135.2	136.0	135.2	154.8	182.8
Qatar	6.2	9.4	7.7	7.8	7.4	8.4	14.2	23.2	29.0	33.0	37.6	49.3
Saudi Arabia	720.4	746.8	736.9	758.8	804.8	877.2	917.6	1,115.6	1,333.5	1,386.8	1,442.3	1,474.0
United Arab Emirates	10.8	11.3	11.8	54.8	84.0	108.6	142.2	148.5	166.0	171.8	178.7	180.7
Venezuela	964.4	978.6	903.9	839.8	850.7	833.7	839.7	892.4	895.8	831.4	975.8	1,010.1
Total OPEC	**3,792.6**	**3,992.4**	**3,853.3**	**3,943.4**	**4,350.8**	**4,493.2**	**4,648.9**	**5,003.6**	**5,334.4**	**5,371.3**	**5,914.7**	**6,258.6**

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

OPEC

Refinery Utilization Rate

Percent

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	121.8	113.2	46.1	60.2	84.9	82.1	86.6	82.8	91.9	91.5	97.0	99.5
Ecuador	80.0	90.3	95.6	91.7	95.1	77.5	95.9	88.4	100.7	59.3	84.4	75.2
Gabon	76.1	61.6	52.5	56.6	61.1	38.9	26.6	58.6	47.1	40.0	59.5	73.5
Indonesia	92.3	107.7	111.3	112.1	112.8	62.9	59.7	59.9	74.5	77.0	82.1	85.2
Iran	62.0	61.2	44.1	47.5	98.3	93.1	100.5	105.2	90.8	84.5	94.0	85.3
Iraq	61.8	59.9	61.2	62.2	88.4	79.9	93.0	94.1	94.8	100.4	108.4	76.7
Kuwait	62.8	74.0	56.6	46.5	70.7	83.0	84.9	100.4	97.6	92.4	105.6	117.0
Libya	97.1	84.1	92.8	95.1	103.9	108.0	40.8	43.2	53.2	64.4	74.7	80.1
Nigeria	41.8	61.8	51.7	64.9	69.3	64.6	68.5	57.8	56.0	50.9	58.3	45.6
Qatar	63.9	89.5	73.3	74.3	56.9	13.3	22.5	36.8	46.0	52.4	59.7	78.3
Saudi Arabia	95.0	98.5	114.2	99.2	105.2	93.8	77.1	77.5	92.6	97.3	101.2	103.4
United Arab Emirates	80.0	83.7	87.4	45.1	69.1	61.9	87.8	91.7	102.5	106.0	110.3	111.5
Venezuela	66.7	67.7	62.6	58.1	64.3	63.0	68.6	72.6	73.2	66.1	81.2	86.6
Total OPEC	**73.1**	**76.6**	**66.8**	**65.8**	**84.7**	**76.2**	**75.2**	**77.8**	**83.4**	**82.3**	**91.4**	**90.4**

Data from Oil & Gas Journal Energy Database.

Source: OPEC Secretariat

OPEC

Consumption of Refined Products
Thousand Barrels pcr Day

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	86.1	95.3	101.4	103.9	116.4	122.2	140.5	143.5	147.2	152.6	158.0	168.1
Ecuador	58.7	54.6	59.7	64.0	65.1	57.4	69.3	74.5	66.3	67.0	85.7	93.3
Gabon	6.0	6.5	7.8	7.9	7.8	7.8	8.3	9.4	9.7	8.6	7.4	7.4
Indonesia	292.3	375.4	424.5	458.7	479.7	467.6	468.6	462.8	470.0	491.6	514.0	547.9
Iran	517.0	543.0	511.7	618.1	719.1	871.4	723.0	735.0	711.5	751.0	766.0	778.5
Iraq	149.5	183.9	188.9	204.6	203.2	249.7	234.2	256.0	261.3	281.3	294.0	303.4
Kuwait	30.6	32.2	37.0	49.4	67.9	74.4	89.5	101.7	96.1	85.0	75.0	72.3
Libya	69.8	80.3	89.5	109.7	118.8	117.3	108.5	103.0	94.0	99.5	104.3	107.7
Nigeria	134.0	154.3	171.0	235.8	236.3	225.9	203.3	214.0	196.3	203.6	220.6	257.7
Qatar	5.4	5.4	6.1	6.8	7.8	8.5	8.9	10.5	11.6	11.6	12.5	13.4
Saudi Arabia	225.1	287.5	407.2	498.6	546.6	603.6	651.8	632.1	621.3	632.0	685.9	717.7
United Arab Emirates	53.0	34.6	58.3	72.5	83.7	85.0	98.3	100.9	102.6	109.4	112.7	114.2
Venezuela	294.6	324.8	366.7	389.4	391.2	384.2	352.1	355.8	375.8	377.7	386.8	367.5
Total OPEC	1,922.1	2,177.8	2,429.8	2,819.4	3,043.6	3,275.0	3,156.3	3,199.2	3,163.8	3,270.9	3,423.6	3,549.1

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

OPEC

Crude Oil Exports
Thousand Barrels per Day

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	1,002.8	960.4	715.5	521.8	228.9	260.4	181.6	272.0	255.0	240.0	244.0	280.5
Ecuador	122.7	122.6	107.6	124.4	116.4	159.4	167.6	193.4	195.7	124.4	188.5	174.6
Gabon	173.5	164.8	151.2	124.9	130.3	136.4	139.2	163.5	150.1	138.4	145.6	173.3
Indonesia	1,268.2	1,077.7	988.0	992.5	818.6	858.3	876.3	705.7	793.8	701.0	646.6	675.7
Iran	4,447.1	2,407.0	796.7	714.6	1,623.2	1,718.7	1,521.8	1,568.3	1,454.0	1,710.0	1,696.0	2,025.0
Iraq	2,384.4	3,247.0	2,482.0	872.0	846.0	702.0	867.0	1,085.4	1,393.5	1,717.0	2,095.0	2,260.0
Kuwait	1,761.2	2,083.1	1,296.5	813.8	368.8	544.0	658.0	475.9	756.0	607.0	698.0	850.0
Libya	1,854.8	1,966.0	1,693.0	1,062.5	974.0	937.4	929.6	894.6	1,067.0	810.0	890.0	872.0
Nigeria	1,827.1	2,210.1	1,960.2	1,228.4	1,002.8	935.2	1,094.1	1,333.3	1,221.2	1,065.2	1,110.5	1,525.9
Qatar	480.0	494.9	465.7	391.0	322.8	279.5	386.2	280.0	307.0	254.0	305.0	320.0
Saudi Arabia	7,706.0	8,817.7	9,223.2	9,017.9	5,639.4	3,920.8	3,186.9	2,150.7	3,265.8	2,416.5	3,030.1	3,335.5
United Arab Emirates	1,816.3	1,805.3	1,697.3	1,439.0	1,167.0	1,077.3	1,036.7	977.7	1,132.0	1,250.0	1,345.0	1,650.0
Venezuela	1,244.6	1,408.3	1,287.2	1,266.0	1,057.9	976.7	998.9	825.9	948.7	1,026.9	972.7	986.3
Total OPEC	**26,088.7**	**26,764.9**	**22,864.1**	**18,568.8**	**14,296.1**	**12,506.5**	**12,043.9**	**10,926.4**	**12,939.8**	**12,060.4**	**13,367.0**	**15,128.8**

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

OPEC

Petroleum Product Exports
Thousand Barrels per Day

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	77.9	69.2	148.1	201.8	404.3	291.6	399.9	320.0	376.0	365.0	375.0	393.3
Ecuador	18.1	20.2	21.7	16.0	14.6	11.3	17.1	13.3	18.2	16.8	23.9	23.0
Gabon	22.5	14.3	10.5	13.5	13.2	11.1	6.3	4.2	3.0	1.5	3.0	1.6
Indonesia	124.0	146.9	162.6	155.8	121.1	130.2	191.9	149.8	159.3	187.9	204.9	230.8
Iran	127.5	235.0	141.0	140.0	181.0	57.0	56.7	39.4	10.0	3.0	8.0	38.0
Iraq	33.1	34.1	35.0	53.9	0.1	38.3	49.6	12.3	7.8	110.0	110.0	145.0
Kuwait	327.1	423.6	343.4	280.8	370.4	414.3	394.9	492.9	525.0	553.0	635.0	690.0
Libya	99.2	84.6	72.5	62.1	78.0	78.7	76.8	90.9	101.9	110.5	90.0	127.5
Nigeria	3.8	24.0	74.6	43.4	10.9	16.3	20.0	20.0	8.8	15.7	21.0	30.0
Qatar	0.0	6.7	1.8	13.2	11.6	16.8	26.0	28.3	36.0	41.1	44.0	75.0
Saudi Arabia	366.8	384.8	413.2	484.9	507.6	389.2	442.1	574.3	712.3	1,021.4	1,141.0	1,072.6
United Arab Emirates	7.9	13.0	19.6	37.7	45.7	60.7	97.7	92.1	111.6	114.0	117.0	155.0
Venezuela	697.6	685.2	564.6	476.2	467.2	507.6	502.3	530.7	572.1	477.3	622.5	617.7
Total OPEC	**1,905.5**	**2,141.6**	**2,008.6**	**1,979.3**	**2,225.7**	**2,023.1**	**2,281.3**	**2,368.2**	**2,642.0**	**3,017.2**	**3,395.3**	**3,599.5**

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

OPEC

Petroleum Product Imports
Thousand Barrels per Day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Algeria	15	36	13	3	3	2	2	12	12	12
Ecuador	7	13	15	16	19	12	13	10	20	5
Gabon	5	5	3	*	1	1	1	1	*	2
Indonesia	39	182	218	239	160	117	29	15	28	36
Iran	1	1	0	0	0	61	46	81	215	270
Iraq	31	*	0	3	3	*	*	*	*	2
Kuwait	0	0	0	0	0	*	*	*	*	*
Libya	47	35	13	33	34	33	17	23	18	22
Nigeria	91	20	21	4	0	10	51	99	80	84
Qatar	*	5	2	3	3	1	1	12	12	0
Saudi Arabia	9	33	38	35	35	35	36	12	2	3
United Arab Emirates	38	42	42	69	64	11	8	3	1	15
Venezuela	2	3	3	0	*	0	0	0	10	13
Total OPEC	**285**	**375**	**368**	**405**	**322**	**283**	**204**	**268**	**398**	**464**

* Denotes less than one-half the unit of measure.

Data from Oil & Gas Journal Energy Database.
Source:

Appendix 1

Chronology of Major Events Affecting Oil & Gas Industry

1859
Colonel Edwin Drake discovers oil in Venango County, Pennsylvania at a depth of 69-1/2 ft.

1866
First oilwell drilled in Texas in Nacogdoches County.

April 1897
Nellie Johnstone No. 1 completed to become first commercial oilwell in Oklahoma.

1901
Discovery of Spindletop field in Texas. Drilling mud was used for the first time in the drilling of Spindletop wells. Price of oil falls dramatically.

1901
First oil production in Louisiana from Heywood Brothers No. 1 Jennings in Acadia Parish.

1905
Glenn Pool field discovered near Tulsa, Oklahoma.

1908
First oil production in the Middle East at Masjid-i Suleiman, Iran.

1911
Sherman Anti-Trust legislation is used as basis for breaking up Standard Oil Trust.

1919
American Petroleum Institute (API) founded.

October 1930
No. 3 Daisy Bradford well discovers East Texas field.

1936
First recorded crude oil production in Saudi Arabia.

1938
Mexico nationalizes foreign oil companies.

1938
Natural Gas Act allows Federal Power Commission to regulate pipelines.

1946
First recorded crude oil production in Kuwait.

December 1955
U.S. rig count reaches 3,137, a record which would remain unbroken until 1980.

1958
First commercial crude oil production in Alaska.

1960
Organization of Petroleum Exporting Countries (OPEC) is formed.

November 1964
U.K. grants licenses for exploration in the North Sea.

August 1970
West Ekofisk oil field discovered in Norwegian North Sea.

Appendix 1 (Continued)

August 1972
Brent oil field discovered in U.K. North Sea.

October 1973
OPEC increases prices by around 70%. Arab members of OPEC cut production and announce embargo on sales to the U.S.

1974
OPEC crude postings increase by up to 130%.

January 1974
Construction permit for Alaskan pipeline issued.

March 1974
Embargo on oil sales to U.S. lifted.

April 1974
Bertha Rogers No. 1 is completed near Washita, Oklahoma. At 31,441 feet it is the deepest well drilled in the U.S.

November 1974
International Energy Agency is formed.

1975
OPEC increases marker crude postings by 10%.

May 1975
Announcement of discovery of Brae field in U.K. North Sea.

September 1975
IEA member nations agree to increase emergency oil stocks to 70 day's supply from the previous level of 60 day's supply.

December 1975
Authorization of construction and filling of Strategic Petroleum Reserve.

February 1976
Design and implementation of two-tier pricing system for U.S. crude oil.

January 1977
Saudi Arabia and UAE increase prices by 5% while all other OPEC members increase prices by 10%.

August 1977
Start of North Slope production in Alaska.

October 1977
First crude oil imported for the Strategic Petroleum Reserve.

1978
U.S. demand peaks at 18.847 million b/d.

October 1978
Iran's production levels are disrupted by internal political difficulties.

November 1978
Natural Gas Policy Act (NGPA) places controls on natural gas prices and gives Federal Energy Regulatory Commission (FERC) authority over intrastate as well as interstate gas production.

1979
World oil demand peaks at 41.6 million b/d.

May 1979
Gasoline shortages and rationing in the U.S.

November 1979
Official price of Saudi Light crude oil reaches $24/bbl.

April 1980
President Carter signs the "Windfall Profits" tax bill.

May 1980
Saudi Arabia increases price of Arabian Light to $28/bbl. retroactive to April 1st.

June 1980
OPEC meeting establishes a $32/bbl. benchmark price with a maximum price of $37/bbl.

September 1980
Iran-Iraq war disrupts production in both countries.

December 1980
OPEC meeting raises maximum price to $41/bbl. Saudi Arabia raises price for Arabian Light to $32/bbl. retroactive to November 1st.

January 1981
President Reagan lifts remaining price controls from domestic crude oil.

March 1981
U.S. crude oil wellhead price peaks at $34.70/bbl.

May 1981
OPEC decides to maintain current price levels but most countries agree to cut production by 10% to firm prices which had begun to slide.

October 1981
OPEC set crude oil marker price at $34/bbl. Saudi Arabia put production ceiling of 8.5 million b/d on Aramco crude.

December 1981
U.S. rig count peaks at 4,530 active rigs.

March 1982
OPEC imposes a crude oil production ceiling of 17.5 million b/d in effort to firm falling prices.

December 1982
OPEC agrees to an 18.5 million b/d production ceiling for 1983.

February 1983
OPEC reduces production ceiling to 17.5 million b/d. Marker crude price is reduced to $29/bbl.

October 1984
OPEC cuts production ceiling to 16.0 million b/d. Marker crude remains at $29/bbl.

January 1985
Saudi Light price reduced to $28/bbl.

Appendix 1 (Continued)

January 1985
Many U.S. natural gas prices are decontrolled. "Old" gas remains under price controls.

March 1985
U.K. coal miners strike. Strike has serious effect on European energy demand.

December 1985
OPEC changes policy and decides to secure market share rather than support price.

July 1986
Average U.S. crude oil wellhead price bottoms out at $9.39/bbl., the lowest price since November 1978.

July 1986
Posted price for West Texas Intermediate hits a low of $12.25/bbl.

July 1986
U.S. rig count reaches a new post-war low of 663.

September 1986
Prices begin to firm after OPEC agrees to an informal quota system for production.

December 1986
U.S. crude oil production falls to 8.35 million b/d, the lowest figure since 1977.

December 1986
OPEC agrees to a formal quota of 15.8 million b/d for the first half of 1987.

July 1987
OPEC revises their crude oil production quota upward to 16,600 b/d.

August 1987
Posted price for West Texas Intermediate rebounds to $20 bbl. for a short period before falling off again.

August 1988
Cease-fire between Iran and Iraq.

October 1988
Average price for world export crudes falls to $10.13/bbl.

November 1988
OPEC adopts new production quota of 18.5 million b/d for first half of 1989.

1988
U.S. imports of crude oil and petroleum products reach the highest level since 1979, 7.351 million b/d.

March 1989
Oil tanker Exxon Valdez runs aground off Alaska causing U.S. largest oil spill.

July 1989
OPEC boosts production quota to 19.5 million b/d.

October 1989
OPEC raises production quota again to 20.5 million b/d.

1989
Average price of world export crude oil moves up to 20.7% to average $16.65/bbl for the year.

Appendix 1 (Continued)

1989
OPEC production moves up to an average 22.048 million b/d, the highest level since 1981.

1989
U.S. crude oil production falls to 7.613 million b/d, the lowest level since 1963.

January 1990
OPEC raises production quota to 22.1 million b/d.

July 1990
OPEC raises production quota again to 22.5 million b/d.

August 1990
Iraq invades Kuwait. UN puts embargo on oil exports from Iraq and Kuwait.

October 1990
Spot price for West Texas Intermediate hits $36.09/bbl.

December 1990
Saudi Arabia boosts production to 8.3 million b/d to make up for lost output from Iraq and Kuwait.

Appendix 2

Glossary of Abbreviations and Terms

AAPG
American Association of Petroleum Geologists

API
American Petroleum Institute

As Completed
A term used to describe recording of well completion data by the American Petroleum Institute. As completed indicates that when a well is reported it is added back into the total for the month in which it was actually completed. Thus, historical data will be more accurate as a measure of wells drilled, but recent time periods will be subject to constant revision as additional wells are reported and placed into the time period (month or year) in which they were actually completed. API started reporting wells on an as completed basis in January 1985. They developed historical information for 1970-1984 on an as completed basis.

As Reported
A term used to describe recording of well completion data by the American Petroleum Institute. As reported indicates that wells are shown as completions in the month they were reported to the API regardless of when the well was actually drilled and completed. The wells were most likely drilled and completed in the prior 4-6 month period. Until January 1985, all data on well completions from the API was on an as reported basis.

Baker Hughes
Baker Hughes Incorporated

Bbl
Barrel. A barrel is equivalent to 42 U.S. gallons.

Bcf
Billion cubic feet

B/d
Barrels per day

BP
British Petroleum

BTU
British Thermal Unit, a generalized measure of heating value.

Crude Oil & Condensate
In this publication, crude oil is used to refer to crude oil and condensate unless otherwise noted. Traditionally condensate is separated from the gas at the wellhead and added to the crude stream or accounted for similar to crude oil.

Distillate fuel oil
Light fuel oil products, generally No. 2 and No. 4 fuel oils. May include diesel fuel.

EIA
Energy Information Administration of the Department of Energy

IEA
International Energy Agency. See list of member nations in Appendix 3.

Jet Kerosine
Kerosine type jet fuel.

Appendix 2 (Continued)

Jet Naphtha
Naptha type jet fuel. The primary user of jet naphtha is the U.S. military. Commercial jets generally use kerosine type jet fuel.

Kwh
Kilowatt hour

LNG
Liquified natural gas. Natural gas which has been converted to liquid form for transportation and sale.

LPG
Liquified petroleum gases, which generally include butane, propane, isobutane, and ethane. The term LPG & Ethane is sometimes used since ethane statistics used to be reported separately from other LPG products in U.S. government publications.

Mcf and Mmcf
Thousand cubic feet and million cubic feet

Mill
Million

NGL
Natural gas liquids. The liquid products which are produced with and from natural gas.

OECD
Organization for Economic Cooperation and Development. See list of member nations in Appendix 3.

OGJ
Oil & Gas Journal

OAPEC
Organization of Arab Petroleum Exporting Countries.

OPEC
Organization of Petroleum Exporting Countries. See list of member nations in Appendix 3.

Quad BTU
Quadrillion BTU's

Residual fuel oil
Heavy fuel oil products, generally No. 5 and No. 6 fuel oils.

SEG
Society of Exploration Geophysicists

SPR
Strategic Petroleum Reserve

Tcf
Trillion cubic feet

Ton
Metric ton

Total Liquids
A term used to indicate all liquids produced in the oil field including crude oil, condensate, natural gas liquids, other hydrocarbons and alcohol, pentanes and small amounts of natural petroleum products. Does not include water.

Appendix 3

Organization of Petroleum Exporting Countries - OPEC

Member Nations (Year of Entry)

Algeria (1967)

Ecuador (1973)

Gabon (1973)

Indonesia (1962)

Iran (1960)

Iraq (1960)

Kuwait (1960)

Libya (1962)

Neutral Zone* (1960)

Nigeria (1971)

Qatar (1961)

Saudi Arabia (1960)

United Arab Emirates (1974):
  Abu Dhabi (1967)
  Dubai
  Ra's al Kaymah
  Sharjah

Venezuela (1960)

---

* Production from the Neutral Zone is shared equally by Saudi Arabia and Kuwait.

Appendix 3

Organization for Economic Cooperation and Development - OECD

Member Nations

Australia

Austria

Belgium

Canada

Denmark

Finland

France

Greece

Iceland

Ireland

Italy

Japan

Luxembourg

Netherlands

New Zealand

Norway

Portugal

Spain

Sweden

Switzerland

Turkey

United Kingdom

United States

West Germany

Yugoslavia

Appendix 3

International Energy Agency - IEA

Member Nations

Australia

Austria

Belgium

Canada

Denmark

Finland

France

Greece

Iceland

Ireland

Italy

Japan

Luxembourg

Netherlands

New Zealand

Norway

Portugal

Spain

Switzerland

Turkey

United Kingdom

United States

West Germany

Appendix 4

Approximate Conversion Factors

For crude oil:

From: | Into:	Tonnes	Long tons	Short tons	Barrels	Kilolitres (cu. metres)	1000 gal. (Imperial)	1000 gal. (U.S.)
				Multiply by			
Tonnes	1	0.984	1.102	7.33	1.16	0.256	0.308
Long tons	1.016	1	1.120	7.45	1.18	0.261	0.313
Short tons	0.907	0.893	1	6.65	1.05	0.233	0.279
Barrels	0.136	0.134	0.150	1	0.159	0.035	0.042
Kilolitres (cubic metres)	0.863	0.849	0.951	6.29	1	0.159	0.035
1000 gallons (Imp.)	3.91	3.83	4.29	28.6	4.55	1	1.201
1000 gallons (U.S.)	3.25	3.19	3.58	23.8	3.79	0.833	1

For crude oil and products:

To convert:	Barrels to Tonnes	Tonnes to Barrels	B/D to T/Y	T/Y to B/D
		Multiply by		
Crude oil	0.136	7.33	49.8	0.0201
Motor spirit	0.118	8.45	43.2	0.0232
Kerosine	0.128	7.80	46.8	0.0214
Gas oil/diesel	0.133	7.50	48.7	0.0205
Fuel oil	0.149	6.70	54.5	0.0184

Weight conversions:

1 metric ton = 1,000 kilograms
1 metric ton = 2204.62 pounds
1 long ton = 2240 pounds
1 short ton = 2000 pounds

Volume:

1 barrel = 42 U.S. gallons
1 cubic foot = 0.0283 cubic metres
1 cubic metre = 35.315 cubic feet

1 barrel of crude oil (equivalent) = 5642 cubic feet of natural gas

Appendix 4 (Continued)

Approximate Heat Content of Fuels

Coal		
Production	Mill BTU/short ton	21.94
Consumption	Mill BTU/short ton	21.53
Non-utility	Mill BTU/short ton	23.81
Electric utility	Mill BTU/short ton	21.16
Imports	Mill BTU/short ton	25.00
Exports	Mill BTU/short ton	26.34
Coal coke	Mill BTU/short ton	24.80
Crude oil		
Production	Mill BTU/barrel	5.800
Imports	Mill BTU/barrel	5.901
Exports	Mill BTU/barrel	5.800
Crude oil and petroleum products		
Imports	Mill BTU/barrel	5.820
Exports	Mill BTU/barrel	5.858
Petroleum products (weighted average)		
Consumption	Mill BTU/barrel	5.403
Residential and commercial	Mill BTU/barrel	5.211
Industrial	Mill BTU/barrel	5.312
Transportation	Mill BTU/barrel	5.421
Electric utilities	Mill BTU/barrel	6.249
Imports	Mill BTU/barrel	5.633
Exports	Mill BTU/barrel	5.873
LPG consumption	Mill BTU/barrel	3.659
Natural gas plant liquids		
Production	Mill BTU/barrel	3.804
Natural gas		
Production, dry	BTU/cubic foot	1,030
Production, wet	BTU/cubic foot	1,110
Consumption	BTU/cubic foot	1,030
Non-utility	BTU/cubic foot	1,029
Electric utilities	BTU/cubic foot	1,034
Imports	BTU/cubic foot	997
Exports	BTU/cubic foot	1,008
Electricity		
Fossil fuel steam-electric	BTU/kilowatt hour	10,261
Nuclear	BTU/kilowatt hour	10,799
Geothermal	BTU/kilowatt hour	21,263
Electricity consumption	BTU/kilowatt hour	3,412

Appendix 4 (Continued)

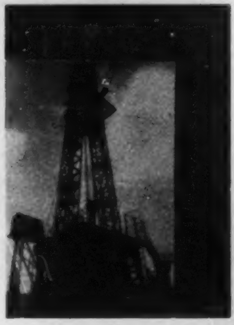
Approximate Heat Content of Refined Petroleum Products

	Million BTU per barrel
Asphalt	6.636
Aviation gasoline	5.048
Butane	4.326
Distillate fuel oil	5.825
Ethane	3.082
Isobutane	3.974
Jet fuel - kerosine type	5.670
Jet fuel - naphtha type	5.355
Kerosine	5.670
Lubricants	6.065
Motor gasoline	5.253
Natural gasoline	4.620
Pentanes plus	4.620
Petrochemical feedstocks	
Naphtha 400 deg. F or less	5.248
Other oils over 400 deg. F	5.825
Still gas	6.000
Petroleum coke	6.024
Propane	3.836
Residual fuel oil	6.287
Road oil	6.636
Special naphtha	5.248
Unfinished oils	5.825
Wax	5.537

Oil & Gas Journal is the weekly news magazine!

Or, is it a technical magazine?

Some people can't make up their minds.



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But what about technical information? The Journal is the leader there, too. Look at the facts.

How many technical pages on refining, petrochemical and gas processing did the leading magazines publish in 1990?

Oil & Gas Journal	515 pages
Second processing magazine	314 pages
Third processing magazine	70 pages

How many on drilling and production?

Oil & Gas Journal	726 pages
Second Drilling & Production Magazine	393 pages
Third Drilling & Production Magazine	254 pages

How many on pipelining?

Oil & Gas Journal	286 pages
Second Pipeline Magazine	284 pages
Third Pipeline Magazine	123 pages

In all, the Journal published 1,582 technical pages in 1990. That's almost four times the number published by the next leading petroleum magazine.

What about abstracts?

The abstracting of magazine articles as reference material is a strong indication of the technical value of those articles. In 1990 the American Petroleum Institute's abstracting service selected petroleum/processing articles from these leading magazines:

Oil & Gas Journal	878 articles
Second Processing Magazine	741 articles
Third Processing Magazine	211 articles
Fourth Processing Magazine	177 articles

In 1990, The University of Tulsa's abstracting service selected **drilling and production** articles from these leading magazines:

Oil & Gas Journal	266 articles
Second Drilling & Production Magazine	76 articles
Third Drilling & Production Magazine	60 articles

What do "technical" oil people say?

Look at the readership study conducted by Erdos & Morgan/MPG, independent market research firm in New York City. A mailed questionnaire asked the customers of petroleum equipment firms, "Which magazines pertaining to your work do you read regularly?" Here's what the "technical" respondents said:

In Drilling and Producing

Oil & Gas Journal	443
Second Drilling & Production Magazine	300
Third Drilling & Production Magazine	282
Fourth Drilling & Production Magazine	223

In Processing

Oil & Gas Journal	281
Second Processing Magazine	151
Third Processing Magazine	111

In Pipelines and Transportation

Oil & Gas Journal	144
Second Pipeline Magazine	63
Third Pipeline Magazine	45

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